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THORBURN'S SEEDS

1918



FOUNDED IN 1802

J.M.THORBURN & CO.

INCORPORATED 1894

53 BARCLAY STREET
THROUGH TO 54 PARK PLACE
NEW YORK CITY

THE JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE



—1802 1918—

J. M. THORBURN & CO.

IN presenting this, our 117th successive annual Catalogue, we have to thank our innumerable customers and friends for their patronage in the past, which we trust will continue in the future to our mutual advantage.

Our Seeds hold the record for being always *Reliable*. Over a century in business means something—and it does much to emphasize the reliability of our goods. The Thorburn experience—the Thorburn knowledge of what's what in seeds—the Thorburn reputation for fair dealing—these are your safeguards in buying.

Our catalogue has always received a considerable amount of study. The cultural directions and descriptions therein are concise and to the point. You can make up your order from its pages with entire confidence in the exceptional quality of the products we are offering.

We would suggest that your order be made up as soon after the receipt of this catalogue as possible. It will help us to ship promptly, and it will help you by giving you your goods just when you want them. Placing orders late sometimes makes delays unavoidable.

The difficulties and delays in obtaining supplies from our European Growers, as well as the shortage of many crops, both abroad and in our own country, make it more important than ever that orders should be placed as early as possible this year. The material shortage of supplies has forced prices up in some instances to almost prohibitory rates. We have endeavored to keep prices down as much as possible, consistent with the cost to us of our stocks on hand and expected.

We have the facilities for handling a vast amount of business, and your orders will receive the most prompt attention regardless of when they come.

Owing to the conditions at present prevailing in Europe, some kinds of seeds may be late in reaching us this season. *It also sometimes happens that certain articles are not ready when the bulk of the goods ordered is shipped. In such cases, rather than hold back the whole order, we send what is ready and keep a memorandum of what is to follow when available.* It would be well to state with order if we may substitute equally good sorts for any ordered that we cannot supply. (See notice on page 14.) *Customers would, therefore, in such cases, do well to await our advice or invoices before writing in regard to items not sent them.*

If there is any information you want that is not given in this catalogue, write us about it. We will give all inquiries our careful attention.

May we have the pleasure of filling your order?

WE ASK THAT YOU READ THE NEXT PAGE BEFORE SENDING IN YOUR ORDER

United States Food Administration License Number G-23974.

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ORDERS

Orders should be written on our order sheet or on a blank sheet separate from letter, *preferably in ink*, and, to receive prompt attention, should be directed to the firm and not to individuals. Orders from new customers should be accompanied by a remittance in the form of a Post-Office or Express Money Order, Bank Check or Bank Bills.

PRICES

The prices quoted are net, and do NOT include free transit, EXCEPT FOR SEEDS IN PACKETS, OUNCES or QUARTER-POUNDS, on which WE pay postage or expressage anywhere in the U. S.

SEEDS BY MAIL OR EXPRESS

If wanted by mail in the United States, add postage according to zone rate, as per table at foot; except for seeds ordered by the packet, ounce or quarter pound, which we mail free. By special arrangement with the express companies, we can ship seeds and bulbs at a reduction of about 25 per cent. from the regular rates. In view of the greater safety, it will be found best to send parcels of 15 lbs. or over by express, as packages are apt to get crushed in the mail. Seeds may be sent C. O. D. when 25% of the amount is remitted with order. Potatoes, onion sets, or other perishable articles, fertilizers or insecticides cannot be sent C. O. D.

PARCEL-POST ZONE RATES

Within the United States

Zone	Within	1st lb.	lb. or or fraction	Additional lb. or fraction
1st..	.50 miles of N. Y. City.....	5c.	1c.	
2d..	.50 to 150 miles of N. Y. City....	5c.	1c.	
3d..	.150 to 300 miles of N. Y. City....	6c.	2c.	
4th..	.300 to 600 miles of N. Y. City....	7c.	4c.	
5th..	.600 to 1,000 miles of N. Y. City...	8c.	6c.	
6th..	1,000 to 1,400 miles of N. Y. City..	9c.	8c.	
7th..	1,400 to 1,800 miles of N. Y. City..	11c.	10c.	
8th..	1,800 and over miles of N. Y. City..	12c.	12c.	

Maximum weight, 50 lbs. to 1st and 2d zones, and 20 lbs. from the 3d zone upward.

Postage to Canada 12 cents per pound, or fraction thereof, maximum weight 4 lbs. 6 oz.

NAME, ADDRESS, ETC.

We beg our correspondents to give us on each order the correct name and address; also to indicate very precisely the means of carriage which they prefer—mail, express or freight, and the office or railroad station which best serves their locality. In case these directions

are not followed out, or if they are not sufficient, we ourselves shall of course choose the most advantageous and convenient means.

CULTURAL DIRECTIONS

These apply to the climate of New York and vicinity. For more northern and southern localities the necessary changes in time of sowing, etc., will readily suggest themselves to gardeners.

WARRANTIES

Seeds of best quality will sometimes fail through improper treatment. Thus, a small seed may be sown so deeply that the young plant cannot reach the surface. *More failures result from disregard of the conditions necessary to germination than from inferiority of the seeds used.*

These conditions are: A proper temperature, sufficient moisture and free access of air. Besides these, the soil must be in proper condition and present no physical obstacle to the growth of the young plant. If heavy rains have compacted the surface of the soil, and the sun has baked it to a hard crust, it will be impossible, even if all other conditions are favorable, for the seedling plants to force their way through it, and many perish from this cause alone.

Seeds differ greatly as to the temperature required for germination. Beets, Cress, Peas, etc., germinate rapidly at a temperature of 45 deg.; but if Melons and other seeds of that family, Bush or Pole Beans, and other plants of sub-tropical origin are sown under the same conditions, they will be apt to decay, as for their prompt germination they require a heat of at least 60 deg. For this reason many seeds fail yearly from too early sowing.

The second condition, proper moisture, is likely to be violated by an excess rather than by too small a portion. The proper amount is that which a well-drained soil will naturally hold.

Free access of air is all-important, and this is interfered with by an excess of water in the soil.

In germination, complex chemical changes take place in the seeds, in which the air performs an important part. A portion of the seed is consumed, carbonic acid gas being given off in changing the starch and other constituents of the seed into nutriment to forward the growth of the germ or embryo plant, which depends upon the contents of the seed until it forms roots below ground and leaves above, and is able to sustain itself.

Besides these conditions affecting the germination of the seed, the young plants, after they have made their way to the surface, are liable to various accidents; a sudden current of very cold air, or a continuous drying wind may check their growth or destroy them altogether.

In addition, there are numerous insects, both below and above ground, that may attack the plants, some of them being so small that they often destroy a crop before they are discovered.

We may also mention the well-known tendency of many vegetables to revert to their original types, notwithstanding the care of the seed-grower; the Yellow-Podded Wax Beans becoming green, the Yellow and White Celery becoming more or less green, dwarf Peas becoming running sorts, etc.

J. M. Thorburn & Co. give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

F. W. BRUGGERHOF
President

J. M. THORBURN & CO.
53 Barclay Street, through to 54 Park Place, New York

ALL COMMUNICATIONS SHOULD BE ADDRESSED TO THE COMPANY

Telephone Nos. 6445 and 6446 Barclay. Private Exchange connecting all departments



Directions for the Cultivation of Vegetables

TO SECURE a good crop of vegetables, three things are necessary, viz., a suitable soil, pure seed and clean culture. The exposure for a vegetable-garden should be south or southeast, or nearly so. The soil should be naturally rich and friable, a sandy loam being about the best. If the soil be stiff, it should be gradually mellowed by the free use of barnyard manure, or, if convenient, by the addition of sand. If wet, or inclined to hold an excess of moisture, it should be underdrained, preferably by tile, but if possible, a location should be selected naturally dry and free from surface water.

A dark-colored soil, or one supplied with a goodly portion of decayed vegetable matter, will produce the earliest crops. If the soil be shallow, it should be deepened gradually by plowing or spading an inch or two deeper each year, and not all at once by trenching or subsoiling, unless manure and money both be abundant. A sandy soil may be greatly improved by adding vegetable mold from the woods. To produce the best results, the vegetable garden should have at least one foot of good, rich soil. The roots of large trees should not be allowed to encroach on any part of the garden, though large trees, sufficiently far off, afford a valuable protection on the north and west.

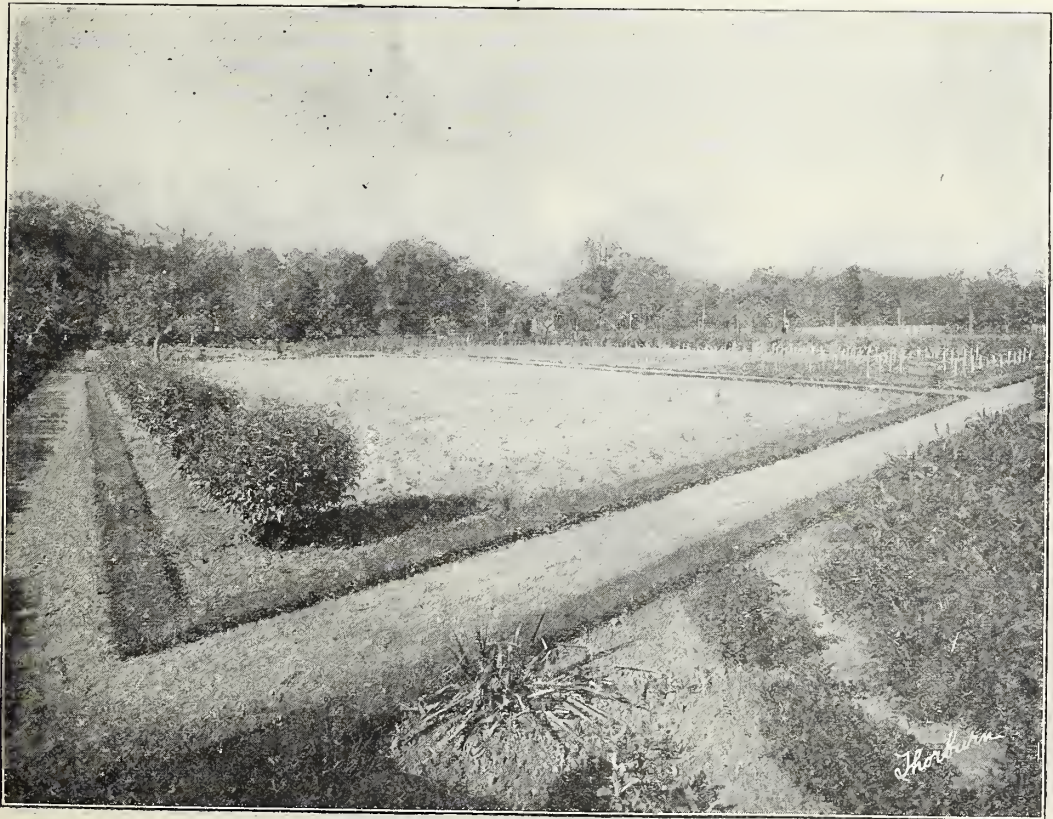
If for any reason you think your soil is not right, consult your experiment station if necessary.

Mark the garden off into squares or beds of convenient size, to facilitate the practice of a rotation of crops, which is an important matter. As a rule, never

let the same crop or kind of vegetable occupy the same bed or spot two years in succession. Potatoes, Onions and a few other things may form exceptions to this rule. Every year the beds must be warmed up by a liberal coat of manure, which should be thoroughly mixed with the soil. From seeds sown in drills, larger crops from a given surface are grown, and cultivation is simple and comparatively easy. The space between the drills, and other special information, is given in the body of this catalogue; the least distance is named, in order to economize space; it might be increased in some cases to advantage. The ground should be frequently hoed, to kill the weeds and to keep the soil mellow; and the proper time to hoe is just when the weeds appear above the ground.

Much time may be gained by starting certain kinds of plants in a hotbed, or even in a coldframe, the latter being a convenient thing, even on a small place. The hotbed is chiefly intended for raising early Tomatoes, Eggplants, Peppers, Cabbage, Cauliflower, Lettuce, etc., but as all these plants can now be bought cheaply of this company at the proper time, the expense and labor of a hotbed may be dispensed with, especially on small places.

To prepare a Coldframe.—The coldframe is simply a frame set on the ground, no bottom heat being applied. It is banked up on the outside during the Winter with salt hay, straw or coarse litter. The soil is prepared by forking in and thoroughly mixing to the depth of 10 to 12 inches a liberal quantity of old, well-rotted manure. The manure of an old hotbed is



A Section of Our Trial Grounds

DIRECTIONS FOR THE CULTIVATION OF VEGETABLES—Continued

good for the purpose. The frame is prepared in the Fall, and young Cabbage, Cauliflower and Lettuce plants are set out in it in time to get well established before very cold weather. Cauliflower and Cabbage should be set down to the first leaf, and the soil made firm around the plants. The seed is usually sown, in the vicinity of New York, from the 15th to the 20th of September, but the very early kinds some 8 to 10 days later. The young plants will be ready to transplant in about 25 to 30 days. During the cold nights and stormy days, the beds should be closely covered with the sashes, and these further protected by straw mats

or shutters. Cauliflower needs more and closer protection than Cabbage, as it is rather more tender. During mild days admit air freely, the object being to keep the plants in a dormant state, without actual freezing, so that when Spring comes they are in a forward state for setting out early crops. Seeds of Cabbage, Cauliflower, Lettuce and Radish may be sown in a coldframe in the Spring from the last week in February to the first week in March. The frame should stand in a warm and sheltered spot, and be kept from freezing by mats or a thick covering of straw during cold nights.

Directions for Making a Hotbed

IN the vicinity of New York, from the first to the latter part of March is quite early enough to make a hotbed. The time must vary according to the latitude. Use fresh horse manure, and add to this, if possible, one-third to one-half of its bulk of leaves. Mix them thoroughly, tramping down the mass in successive layers, and form into a large pile, so that fermentation will proceed.

In two or three days fermentation will be apparent by the escape of steam from the heap. Now turn again, and allow the heap to remain until the second fermentation commences. Make a pit 2½ feet deep, and of a size suited to the number of plants required. The pit will be better if built up of brick. It should be located in a dry, sheltered spot, facing the south or east, if possible. Hotbed sashes are usually 3x6 feet, and one or two sashes will give early plants enough for a small family. The frame of the bed should be 18 inches high at the back and 12 inches in front, which will give the proper slope to catch the sunlight. Crosspieces should be placed for the sashes to slide on, to facilitate opening and shutting the frames.

When everything is ready, the manure is placed in

the pit and trodden down firmly in layers to the required depth, 2 to 2½ feet. Then put on the sashes and keep the pit closed until the heat arises. At first it will probably be 100 deg. or more, which is too hot to sow the seed in; but in two or three days it will subside to 90 deg. or a little less, when the soil may be put on to the depth of 6 to 8 inches. Try the heat by plunging a thermometer into the manure.

The soil should be of well-rotted sod (or common garden soil will do), mixed with about a third of fine old manure; and in this the seeds may be sown thinly in drills 2 to 3 inches apart, and afterward (as soon as out of the seed-leaf) either thinned out or else transplanted to another frame. Air must be given every mild day by raising the sashes at the back.

Water with tepid water whenever necessary, and during cold nights and snow storms keep covered with mats or board shutters. Tomatoes, Peppers and Eggplants should be sown in a separate frame from Cabbage, Cauliflower and Lettuce, as they require more heat. Hotbeds may be made on the surface of the ground, if the manure extends a foot wider on all sides than the frame.



Another Section of Our Trial Grounds

The Improvement of Land

THE proper preparation of land so as to insure maximum crops is a weighty problem with most farmers and gardeners, if we can judge from the number of requests that come in daily for information on this subject.

To prepare old worn-out soils that have been allowed to get into a hard, poor, weedy condition, for a Vegetable Garden, it is necessary to get the soil mellow, well enriched with decayed vegetable matter and well-rotted barnyard manure, and clear of weeds.

The ground should be plowed as early in spring as it can be worked, putting in about one ton of burnt lime to the acre. Harrow and pulverize, giving the soil a thorough working to get it as fine as possible. Sow $1\frac{1}{2}$ bushels of Canadian field peas and 3 bushels oats to the acre. Late in June or early in July this crop should be plowed under, applying thirty or forty loads of coarse, well-rotted barnyard manure, well worked in, and sow 2 bushels of buckwheat and rye and 20 lbs. crimson clover to the acre, or $2\frac{1}{2}$ bushels cowpeas to the acre. If buckwheat, rye and clover are used, let the buckwheat die down when frost comes and plow all under early next spring—if cowpeas are sown, turn them under in September and apply a ton of unleached hardwood ashes to the acre and sow 2 bushels rye to the acre, and in spring apply another thirty or forty loads of well rotted barnyard manure, plowing under as soon as dry enough.

In place of the June or July sowing of cereals mentioned above, the oats and peas may be followed with white beans, planted in hills, cultivated both ways and hoed. In September sow rye among the beans and in spring plow all under; another half ton of lime can be used to advantage, and the cultivating and hoeing will clean out the weeds and give a cleaner garden. This soil, if thoroughly plowed and harrowed, should be mellow and rich enough to grow any kind of vegetables.

Another plan would be to plow the ground as deeply as possible in fall. Harrow and pulverize, to make it friable and easy to work. Apply as a top dressing 50 bushels air-slaked lime and sow to rye, 2 bushels to the acre. Apply thirty or forty loads of coarse barnyard manure early in spring, and plow all under about the middle of June, then sow cowpeas, $2\frac{1}{2}$ bushels to the acre, and harrow or cultivate them in. About the end of September turn the cowpeas under, applying one ton of unleached hardwood ashes and again sow to rye. Next spring apply forty loads of well-rotted barnyard manure and plow all under as soon as dry enough.

In order to renovate ground used as a Vegetable Garden that has been run down, as soon as frost comes the ground should be plowed, applying a liberal quantity of sheep manure, working it well in, then sow winter rye, 2 bushels to the acre. In early spring this should be plowed well under, applying our Complete Manure at the rate of 1,200 to 1,500 lbs. per acre—this will give a good foundation for the new garden.



Novelties and Specialties in Vegetable Seeds

New Dwarf Green-Podded Snap Bean

Thorburn's Earliest of All, Long, Round Green Pod, Stringless. Very early, prolific and of finest quality, also a good forcer. Our trials show this to be the earliest of all, as the name we have given it indicates. $\frac{1}{2}$ pt. 50 cts.

New Green-Podded Beans

Pale Dun, or Cream Color. A fine, stringless variety. $\frac{1}{2}$ pt. 30 cts.

Dwarf Green-Podded Bean

Masterpiece (Sutton's). The plant is a robust grower, very prolific, the pods are straight, handsome, very tender, and stringless. Early and well adapted for forcing, an exceptionally fine green, round podded variety. $\frac{1}{2}$ pt. 50 cts.

Thorburn's Gilt-Edge Cauliflower

Best and surest of all. Produces large, heavy, solid, white heads of finest quality. Undoubtedly the best variety. Pkt. 50 cts., oz. \$5.00.

Early White Nocera Cauliflower

Short-stem variety with large fruit. Pkt. 15c., oz. 60 cts.

Early Jersey Wakefield Cabbage

Thorburn's Selected Stock

Undoubtedly the finest strain of this most popular, well-known early Cabbage in cultivation. The heads are extremely solid, pyramidal in shape, with very little outside foliage. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$4.50.

Extra-Early Nordheim Sweet Corn

The earliest Sweet Corn in cultivation. Produces stalks from 6 to 7 feet high, each bearing three or four nearly perfect ears of finest quality. On style of Minnesota, but far exceeding that variety in the deliciousness of its flavor, as well as in earliness and productiveness. Per lb. 60 cts.

Golden Evergreen Sweet Corn

Late; very sweet, round grains, beautiful table variety. Pt. 45 cts., qt. 75 cts.

Cucumber, Thorburn's Noroton Selected White Spine

A selection of the Improved White Spine, but earlier, more perfect in shape and more prolific. The best slicing variety we have seen, being solid in flesh, fine-grained, tender and of delicious flavor. Vigorous, healthy grower. A splendid sort for the home garden, and absolutely without an equal for market. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 90 cts.

Celery, Thorburn's Gilt-Edge Golden Self-Blanching

Golden Self-blanching is the variety of Celery par excellence, and we can recommend our strain with every confidence. The chief characteristics of this sort are its self-blanching qualities and the beautiful waxy yellow appearance of the stalks. It is of compact, heavy growth and produces stalks that are brittle and crisp in the extreme, and hearts that are large and solid. Pkt. 20 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.50, lb. \$12.00.

Thorburn's Big Boston Lettuce, Improved

Our strain of this well-known and most popular sort is without doubt the finest in existence. It is too well known to require any lengthy description. It is sufficient to say that it is equally valuable for growing in greenhouses for Winter use, in frames for Spring, or for sowing the seed in the open ground for use in Summer and Fall. It is unequalled by any other variety for crispness and tenderness; produces large, solid heads with few outside leaves, and stands long before running to seed. See illustration of a head of Big Boston Lettuce. Improved, on page 31. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Egyptian Deity Muskmelon

(Persian Delight)

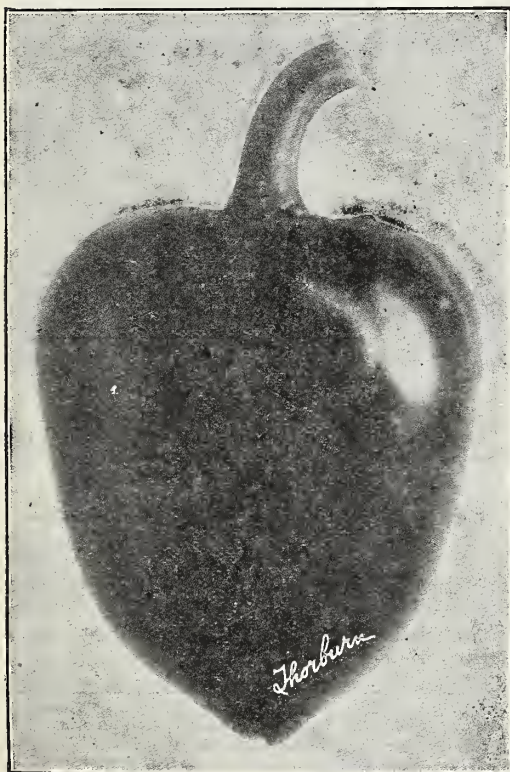
A new Melon of Casaba type, from South Africa, said to be very fine quality. 25 cts. per oz. (See page 35.)

Pea, Quite Content

A giant-podded, second early Pea, the pods mostly grow in pairs and are quite distinct from all other Peas. The pods are well filled with large, round peas of excellent flavor, very prolific, a stout, robust grower, height about 5 feet. It has been pronounced by experts to be the finest, largest, second early Pea. Pt. 45 cts., qt. 70 cts.

Pepper Pimiento, dulce

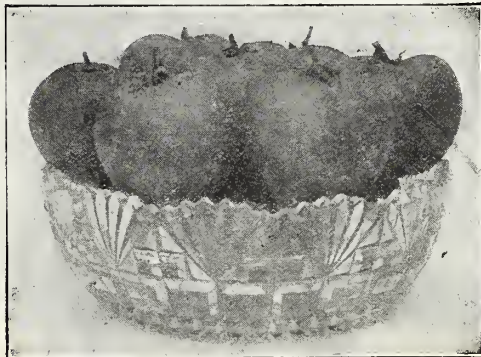
The mildest of all Peppers. This new sweet Pepper has a flavor unknown to Peppers, absolutely free of the pungent flavor that so many consider undesirable. It has a thick, firm flesh which permits its being scalded and peeled; when fully ripe, the fruits are brilliant scarlet. Should be in every family garden. Pkt. 15 cts., oz. 75 cts.

**Pimiento Pepper****Dibble's Russet Potato**

Recently introduced, said to be the best main crop Potato in cultivation (see page 43). Present prices, subject to change, ½ pk. 70 cts., pk. \$1.00, ½ bus. \$1.75, bus. \$3.25.

Potato Seed

Hybridized Potato Seeds, saved from **Potato Seed Balls**, will produce all colors, shapes and types; plant early in Spring and when 4 or 5 inches high transplant 2 feet apart, they will produce tubers the size of marbles, a few larger, the first year, and in three years attain their full development. Package with full directions, 15 cts. each, 4 for 50 cts., 10 for \$1.00.

**Potato Balls****Tomato "Noroton Forcing"**

This new variety will be found to be valuable for the market gardener, as well as for private gardens. Color bright crimson, of uniform size, averaging about six to a pound. Solid, very prolific and of perfect form. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.00.

Tomato—Thorburn's Improved Early Cluster

A valuable new variety, color bright scarlet, grows in bunches like grapes, each plant producing 100 to 150 Tomatoes of excellent quality. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$4.00.

Turnip**Prince Engalitscheff**

New early, scarlet, striped yellow, flat. Pkt. 10 cts., oz. 20 cts., lb. \$1.25.

Flower Seed Novelties and Specialties of Merit



Aster, Vick's Early Branching Rosy Red

Aster, Hercules White

A new type of great merit. In form it is similar to the well-known "Ostrich Plume," but of dwarfer habit, it is a strong grower and produces very large flowers of a refined shape, pure glistening white. Per pkt. 25 cts.

Asters, Hercules Lilac

An artistic flower of a beautiful rosy lilac shade, a decided acquisition to any garden. Per pkt. 25 cts.

Aster, Vick's Early Branching Rosy Red

A new color, darker than rose, lighter than Crimson, a beautiful rosy red. Plants are more vigorous and larger than any other shade of red. Pkt. 25 cts., two for 40 cts.

Antirrhinum, Nelrose (Snapdragon)

Silvery pink, very long stems; fine for greenhouse. Pkt. 30 cts.

Antirrhinum, Silver Pink (Snapdragon)

New, silvery pink, splendid variety for greenhouse culture; semi-dwarf. Pkt. 10 cts.

Antirrhinum, Feltham Beauty (Snapdragon)

Tall, large-flowering. The largest-flowering Snapdragon as yet introduced, bearing very long spikes of enormous, deep rose-pink blooms, with white center. Pkt. 25 cts.

Antirrhinum, Golden Beauty (Snapdragon)

Dwarf large-flowering. Rich golden-yellow; large sturdy spikes. Pkt. 25 cts.

Antirrhinum, Orange Beauty (Snapdragon)

Tall large-flowering. A new, very large-flowering sort of a lovely orange-scarlet with gold tip. Pkt. 25 cts.

Antirrhinum, Melrose (Snapdragon)

Silvery pink, very long stems; fine for greenhouse. Pkt. 30 cts.

Bellis Perennis fl. albo Giant-flowered Daisy

Monstrosa alba—White flowers, $2\frac{1}{2}$ to 3 inches diameter. Pkt. 25 cts.

Monstrosa rosea—Rose flowers, $2\frac{1}{2}$ to 3 inches diameter. Pkt. 25 cts.

Do You Need a Gardener?

At all times we have on our books the names of capable men in search of employment on private estates, farms and the like, and all persons in search are cordially invited to call upon us at any time for such men. Gardeners and Superintendents desiring positions are requested to call here, or drop us a line for application blanks.

Calceolaria, Bronze Age .

This is another remarkable hybrid and differs from all others in being of deep red mahogany-bronze shades, some light, others dark, ranging between crimson and bronze, softened to a warm murillo tint, while the apex or lid of the pouch in some instances is a deep yellow; free bloomer and robust constitution. Pkt. 40 cts.

Calceolaria
(Covent Garden Strain)

Extra choice, recommended for habit, size and marking of flowers. Pkt. 30 cts.



Calliopsis Radiata, "Tiger Star"

Calliopsis radiata "Tiger Star" (hA)

A rich and continuously blooming annual, with peculiarly colored dark brown and golden yellow tigered flowers, the petals of which are curiously twisted like the cactus dahlia. Of easy culture, growing in ordinary garden soil, and producing its strikingly colored flowers in great abundance all summer. Grows 8 inches high and forms a round, compact bush. The unique form and coloring of the flowers will appeal to those who like oddities. Pkt. 15 cts.

Calceolaria, Veitchii White

"A white Calceolaria for the conservatory." In many respects, this Calceolaria is remarkable, and an extraordinary departure from the conventional color of greenhouse Calceolarias, being milk white in color. It is a true perennial, has a strong habit of growth, with healthy, strong, lance-shaped, shining, serrated foliage. It bears an abundance of bloom on first season plants, which grow to a height of about 3 feet, and are quite bushy. It is of great value for decorative work. Pkt. 50 cts.

Centaurea Cyanus, Double Blue

A double-flowered form of the popular old-fashioned blue cornflower or bachelor's button, which it eclipses in every way, producing its large, fine double flowers on long, strong stems. Per pkt. 15 cts.

Centaurea moschata rosea (hA)

This new, beautiful annual Sweet Sultan is 2½ to 3 feet high, with flowers of a very delicate rosy white, and light pink stamens and style; the flowers are about the same size as the white and purple varieties, and will make fine flowers for cutting. Pkt. 10 cts.

New Cardinal Climber (hA)

(*Ipomœa Quamoclit Hybrida*)

This beautiful annual is the result of a cross between *Ipomœa coccinea* and the Cypress Vine (*Ipomœa Quamoclit*). It is one of the best introductions as regards an annual climber for many years. It is a strong and rapid grower, attaining a height of from 20 to 30 feet, and is of a branching habit. It flowers perpetually from July until frost, the foliage is deeply lacinated, and the flowers are borne in clusters of five to seven, and are of a fiery cardinal-red. It is well worth trying. Pkt. 25 cts.

Celosia Pompon

(Chinese Woolflower)

Brilliant Scarlet Pkt. 10 cts.

Chrysanthemum Indicum

Single early-flowering perennial varieties, mixed. Pkt. 25 cts.

Chrysanthemum Maximum laciniatum**White Comet Marguerite**

Of remarkable beauty, quite different from all other varieties, the petals of this novelty come in light, tufty waves, partly covering the yellow center of the flower, creating a graceful, charming effect. About 40 inches high, with long, strong stems; flowers abundantly in July and August. Pkt. 50 cts.

Cineraria, "Matchless"

Excellent new strain, containing many new colors. Plants vigorous and compact, with very large solid-petalled flowers. Pkt. 50 cts.

New Cosmos

Thorburn's Extra Early Flowering Cosmos. Rose pink and shell pink, the foliage of this variety is not dense, and shows all the long, graceful stems tossing their airy, fairy blossoms in the air, making a most beautiful sight; in our trial ground the past season this variety was in flower from June 15th until frost. Pkt. 25 cts.

Cosmos, White Lady Lenox

An exact counterpart in every particular, except as to color, of the favorite Pink Lady Lenox Cosmos. Well worth a trial by all lovers of these splendid annuals. Pkt. 15 cts.

Cosmos, Crimson Ray

The flowers, while equally as large in diameter, show a new departure in form, number and shape of the petals, the petals greatly increased in number, are narrow and fluted, separated in star-like form, and of the most brilliant crimson. Pkt. 15 cts.

Crested Cosmos

These beautiful new varieties are most striking in color; the flowers are crested and double.

Pink Pkt. 25 cts.
White Pkt. 25 cts.

Cosmos, New Giant Hybrids

A new and much improved strain of the early flowering variety; free bloomer, large flowers of most attractive shades. Height 3 to 4 feet. Pkt. 25 cts.

Dimorphotheca aurantiaca hybrida**fl. pl. (hA)****Double-Flowering African Daisy, Pkt. 25 cts.**

This is the double and semi-double form of the African Golden Daisy hybrids which we offered last season.

Dimorphotheca Aurantiaca Hybrida, Purplish-red. Pkt. 25 cts.**Dimorphotheca Aurantiaca Hybrida, Lilac, Bluish Tint. Pkt. 25 cts.**

Those rare and quite new colorings are very pleasing, ranging from purplish red to purplish rose, mostly with large white center, also to orange red with claret tips or edges, while in the bluish tints there will be found lilac selves or purplish lilac varieties tinged white or white and yellow centered. Very attractive when in full bloom.

Eremurus, Wallace's Gold Medal Hybrids (Hardy Foxtail Lily)

Many new and striking colors. 6 to 10 feet. Pkt. 40 cts.

Forget-Me-Not, Myosotis "Blue Eyes"

A strong-growing, free-blooming, compact variety; color bright blue. 12 inches. Pkt. 25 cts.

Gloxinia (Erect)

Crimson, with white margin. Stove perennial. Pkt. 30 cts.

Impatiens, Holstii

Tender annual; brilliant vermillion; height 1½ to 2 ft. Pkt. 30 cts.

Giant Pink Moonflower

The Giant Pink Moonflower produces a luxuriant vine. It grows very fast and dense, with thorns all over stems. The blooms are about the size of a Brazilian Morning Glory. Pkt. 10 cts.

Leucanthemum secundum giganteum**Praecox "White Lady"**

This hardy white Marguerite is a very showy perennial; about 60% of double flowers will be produced from seed. Excellent for cutting. Pkt. 25 cts.

Lychnis Arkwrightii

A cross between L. Chalcedonica and L. Haageana, producing an abundance of bloom in many new and lovely colors. 1 to 1½ ft. Pkt. 30 cts.

New Double semi-dwarf Wallflower

The plants grow 18 inches high, colors ranging from golden yellow to brown and purple. Seed saved from extra selected plants. Pkt. 25 cts.

New Early Blooming Hardy Pansies

This new type of pansy is valuable on account of its hardiness and earliness. If given slight protection they will be found perfectly hardy in this latitude and even further north, beginning to bloom about the end of March. Flowers are very large and have a sweet perfume.

Celestial Queen. Beautiful light blue Pkt. with yellow eye	\$0 25
Ice King. Silvery white with dark blue blotches	25
March Beauty. Fine dark velvety blue with yellow eye	25
Winter Sun. Rich golden yellow with maroon blotches	25

Pansy

"Apricot Queen." Distinct new bedding variety; very compact and free-flow-
ering, of a pretty apricot, shaded
yellow. 25

Polygonum Orientale
(Persicaria) (Lady's Thumb)

This old-fashioned hardy annual is suitable for backgrounds; pink or greenish purple flowers on short spikes. 1 to 2 feet. Pkt. 15 cts.

Primula Japonica

(The Hardy Japanese Primrose) (Veitch's)

In mixed colors. *Primula japonica* has, for a generation, been a favorite of those who love the miscellaneous flower border. This mixture comprises every shade of color in primulas. Pkt. 30 cts.

Rehmannia angulata

Pink Perfection. Splendid, half hardy, herbaceous perennial for pot culture, or out-doors in sheltered situation. When massed, they are very beautiful. Clean, bright pink, with markings on the throat, continuous bloomers Pkt. 40

Rudbeckia Hirta Hybrids

This new creation is a hardy dwarf perennial, with double, semi-double and single flowers.

The petals or rays of the blooms are beautifully colored yellow and orange with petals handsomely splashed in varying degrees with darker shades of red. Mahogany and chocolate, with purple or yellow centers.

A desirable plant for beds or borders, if sown early in March under glass, will flower the first year. Price, 25 cts. per packet.

Salvia Patens

(Veitch's Special Strain)

This particular strain is exceptionally hardy, and has been saved from long established hardy plants. Pkt. 30 cts.

Salvia Splendens, Ostrich-Plume

The most attractive *Salvia* recently introduced, of *Salvia splendens* type; the bush is well covered with beautiful plumes; each plume being a bouquet in itself; color brightest scarlet. Pkt. 25 cts.

Stocks**Dresden Perpetual or Branching**

"Princess Alice," white, profuse and perpetual-blooming; double white flowers, excellent for cutting. Our strain of this is very fine. Pkt. 25 cts.

Thermopsis Caroliniana

(St. Peter's Staff)

Pretty yellow, Pea-shaped flowers, adapting itself to almost any situation, but succeeding best in a light, rich soil. They are deep rooted plants and endure drought very well. Pkt. 15 cts.

Verbena grandiflora, "Helen Willmott"

A very pretty, bright salmon-rose, with white eye. The seed produces plants with flowers, many of which are of the true "Helen Willmott" color, with a percentage of varied shades, which are also very fine, both in color and size. Pkt. 25 cts.

Vinca Delicata

This is the handsomest of all Vincas. Soft, delicate shade of pink in color, very desirable for rockery and shrubbery borders. The plants are quite hardy. Pkt. 15 cts.

Virginia Poppy (hA)

Papaver Somniferum

This new, large-flowering, single Poppy produces beautiful, large, white flowers with fringed, soft pink edges. They are especially recommended for cut-flowers, for they last long in vases, especially when cut in the morning before they are full blown. Pkt. 15 cts., 2 pkts. 25 cts.

Zinnia, Double Mammoth-Flowering (hA)

A new and distinct class of this ever-popular flower, producing large, very double, blooms, from 4½ to 6 inches in diameter. We offer six distinct colors, viz.: Crimson, Flesh-color, Sulphur-Yellow, Scarlet, Violet and White. Each color and mixed, pkt. 15 cts. Collection of six varieties, one pkt. of each color, 75 cts.

Zinnia, Elegans robusta grandiflora "Achievement"

Distinct from all other Zinnias, rich variety of colors, free and strong grower, producing abundance of double flowers; blooms attain a diameter of 5 to 6 inches. Excellent as a cut flower. Pkt. 30 cts.

Collections of Vegetable Seeds

Only the choicest sorts are put into the assortments, and they are picked out so as to give a continuous supply of vegetables from your garden all season.

The amount charged for these collections is considerably less than you would pay for the individual seeds, on account of the fact that we are able to put them up during the slack Winter months.

Owing to this, we cannot permit any alterations in the varieties, and the reduced price will not be allowed unless the collection is taken in full and without change.

COLLECTION NO. A, \$1.25 (Including free delivery)

This collection was gotten up primarily for rather small gardens, such as back-yard gardens and the like.

1 pt. Beans, Refugee Green-Pod.	1 pt. Cucumber, Imp. White Spine.	1 pt. Peas, Thorburn's Extra-Early Market.
1 " Beans, Golden Wax.	1 " Leek, Best Flag.	1 pa. Radish, Scarlet Turnip.
1 " Beet, Egyptian.	1 " Lettuce, Big Boston.	1 " Spinach, Viroflay.
1 " Cabbage, Early Wakefield.	1 " Onion, White Globe.	1 " Turnip, Snowball.
1 " Carrot, Half-Long.	1 " Parsley, Extra Curled.	
1/2 pt. Corn, Early Bantam.		

COLLECTION NO. 1, \$3.75 (Including free delivery)

Gotten up for a family of two or three persons. It is a rather complete list of varieties.

1/2 pt. Beans, Refugee Green-Pod.	1/2 pt. Corn, Cory.	1 pa. Onion, White Globe.
1/2 " " Golden Wax.	1 pa. " Stowell's Evergreen.	1 " " Large Red Globe.
1 pa. Beet, Egyptian.	1 " Cucumber, Imp. White Spine.	1 " Parsley, Extra Curled.
1 " " Globe.	1 " Eggplant, Imp. N. Y. Purple.	1 pt. Peas, Thor. Ex-E'y Market.
1 " Cabbage, Early Wakefield.	1 " Kohlrabi, Early White Vienna	1 " " Wrinkled, Our Select.
1 " " Red, for pickling.	1 " Leek, Best Flag.	1 oz. Radish, Scarlet Turnip.
1 " Carrot, Half-Long.	1 " Lettuce, Big Boston.	1 pa. Spinach, Viroflay.
1 " Cauliflower, Thor. Gilt-Edge.	1 " " Cos or Romaine.	1 " Tomato, Stone.
1 " Celery, White Plume.	1 " Melon, Long Island Beauty.	1 oz. Turnip, Snowball.
1 " Corn, Early Bantam.	1 " " Water, Black Spanish	

COLLECTION NO. 2, \$8.50 (Including free delivery)

This assortment is suitable for a family of approximately five persons.

1 pt. Beans, Refugee Green-Pod.	1/2 pt. Corn, Country Gentleman.	1 oz. Parsnip, Hollow Crown.
1 " " Early Valentine.	1/2 " " Metropolitan.	1 pt. Peas, Thor. Ex.-Early Market
1/2 " " Stringless Green-Pod	1/2 " " Stowell's Evergreen.	1 " each Peas, Two Best Wrinkled, Our Selection.
1 " " Challenger Lima.	1 oz. Cucumber, Imp. White Spine.	1 pa. Pepper, Chinese Giant.
1 oz. Beet, Eclipse.	1 pa. Eggplant, New York Purple.	1 oz. Radish, White-tipped.
1 " " Egyptian.	1 " Kohlrabi, Early White Vienna	1 " " Scarlet Turnip.
1 " " Globe.	1 " Leek, Best Flag.	1 " " Scarlet Globe.
1 pa. Cabbage, Early Wakefield.	1 " Lettuce, Big Boston.	2 oz. Salsify, Mammoth Sandwich
1 " " Ballhead.	1 " " May King.	2 oz. Spinach, Viroflay.
1 " " Thorburn Private	1 " " Cos or Romaine.	1 pa. Squash, Early Bush Crook-neck.
1 " " Stock Flat Dutch.	1 " " Giant Crystal Head.	1 " " Hubbard.
1 oz. Carrot, Half-Long.	1 " Melon, Nettle Gem.	1 " Tomato, Early June Pink.
1 " " St. Valery.	1 " " Long Island Beauty.	1 " " Stone.
1 pa. Cauliflower, Thor. Gilt-Edge	1 " " Water, Black Spanish	1 oz. Turnip, Snowball.
1 " Celery, Giant Pascal.	1 oz. Okra, Perkins' Improved.	1 " " Golden Ball.
1 " " White Plume.	1 pa. Onion, White Globe.	1 " " Thorburn Rutabaga.
1 " " Fin de Siecle.	1/2 " " Large Red Globe.	
1/2 pt. Corn, Early Bantam	1 pa. Parsley, Extra Curled.	

COLLECTION NO. 3, \$16 (Including free delivery by express)

Will make an excellent garden for a farm or country estate desiring to put about one acre under cultivation for vegetables.

1 pt. Beans, Refugee Green-Pod.	1 qt. Corn, Stowell's Evergreen.	2 oz. Parsnip, Hollow Crown.
1 " " Early Valentine.	1 oz. Corn Salad, Large-seeded.	1 qt. Peas, Thor. Ex.-Early Market
1 " " Golden Wax.	2 Cress or Pepper Grass.	1 " each Peas, Three Best Wrinkled, Our Selection.
1 " " Stringless Green-Pod.	1 " Cucumber, Imp. White Spine.	1 pa. Pepper, Chinese Giant.
1 " " Challenger Lima.	1 pa. Eggplant, Imp. N. Y. Purple	1 oz. Radish, White-tipped.
2 oz. Beet, Egyptian.	1/2 oz. Endive, Green-Curled.	1 " " Scarlet Turnip.
1 " " Globe.	1/2 " " Broad-leaved.	1 " " Scarlet Globe.
2 " " Half-Long.	1/2 " Kohlrabi, Early White Vienna	1 " " Chinese Winter.
1 pa. Brussels Sprouts, Dalkeith.	1 pa. Leek, Best Flag.	2 ozs. Salsify, Mammoth Sandwich Island.
1 " " St. Valery.	1/2 oz. Lettuce, Big Boston	1/4 lb. Spinach, Viroflay.
1/2 oz. Cabbage, Early Wakefield.	1/2 " " May King.	1 oz. Squash, E'y Bush Cr'neck.
1/2 " " Thorburn Private	1/2 " " Cos or Romaine.	1 pa. " Hubbard.
1 " " Stock Flat Dutch.	1/2 " " Giant Crystal Head	1 oz. " Boston Marrow.
1 " Carrot, Early French Fore'g.	1 pa. Melon, Long Island Beauty.	1 pa. Tomato, Early June Pink.
1 pa. Cauliflower, Thor. Gilt-Edge.	1 " " Nettle Gem.	1 " " Stone.
1 " " Thor. Snowball.	1 " " Water, Black Spanish	1 oz. Turnip, Thorburn Rutabaga
1/2 oz. Celery, Fin de Siecle.	2 oz. Okra, Perkins' Improved.	1 " " Snowball.
1/2 " " White Plume.	1 " Onion, Yellow Danvers.	1 " " Golden Ball.
1 pa. " Golden Self-blanch'g	1 " " Large Red Globe.	1 pa. each Herbs, Five Varieties.
1 pt. Corn, Early Bantam.	1 " " White Globe.	
1 " " Cory.	1 " Parsley, Extra Curled.	
1 " " Country Gentleman.		

COLLECTION OF VEGETABLE SEEDS—Continued

COLLECTION NO. 4, \$30 (Including free delivery by express)

If your needs require quite a quantity of fresh vegetables, and you have around three acres that you wish made into a garden, you could not do better than to buy this collection. There are quite a number of private estates and farms that are now doing away with the trouble of going through lengthy lists of vegetables suitable to their needs, and are leaving the matter to our judgment. This collection represents our recommendation as to just what should be used, with the exact quantities for planting approximately three acres, and getting the most out of the land.

1 qt. Beans, Refugee Green-Pod.	2 qts. Corn, Country Gentleman.	6 qts. Peas, Three Best Wrinkled.
1 " " Early Valentine.	2 " " Metropolitan.	Our Selection.
1 pt. " Stringless Green-Pod	2 " " Stowell's Evergreen.	1/2 oz. Pepper, Chinese Giant.
1 " " Challenger Lima.	1 oz. Cucumber, Imp. Long Green	1/4 lb. Pumpkin, White Cushaw, or
4 oz. Beet, Eclipse.	2 " " Imp. White Spine	Jonathan.
4 " " Egyptian.	1/2 " Eggplant, Imp. N. Y. Purple	4 ozs. Radish, White-tipped.
4 " " Globe.	1 " Endive, Green Curled.	4 " " Scarlet Turnip.
4 " " Half-Long.	1 " " Broad-leaved.	4 " " Scarlet Globe.
1/2 " Brussels Sprouts, Dalkeith.	1 " Kohlrabi, Early White Vienna	4 " Salsify, Mammoth Sandwich
1/2 " Cabbage, Early Wakefield.	1 " Leek, Best Flag.	Island
1/2 " " Savoy, Early.	1 " Lettuce, Big Boston.	1/4 lb. Spinach, New Zealand,
1/2 " " Thorburn Private	1 " " Cos or Romaine.	Summer.
Stock Flat Dutch.	1 " " E'y Curled Simpson	1/2 " " Viroflay.
4 " Carrot, Early French Forc'g	1 " " Giant Crystal Head.	1 oz. Squash, E'y Bush Crookneck
4 " " Half-Long.	2 ozs. Melon, Netted Gem.	1 " " Hubbard.
4 " " Long Orange.	2 " " Long Island Beauty	1 " " Boston Marrow.
1/4 " Cauliflower, Thorburn Gilt-	2 " " Water, Blk. Spanish	1/2 " Tomato, Early June Pink.
Edge.	4 " Okra, Perkins Improved.	1/2 " " Stone.
1 pa. " Thor. Snowball.	2 " Onion, Yellow Danvers.	1 pa. " Beauty.
1 oz. Celery, Fin de Siecle.	2 " " White Globe.	2 ozs. Turnip, Snowball.
1 " " White Plume.	2 " " Large Red Globe.	2 " " Golden Ball.
1/2 " " Golden Self-blanch'g	2 " Parsley, Extra Curled.	2 " " Thorburn Rutabaga.
1 qt. Corn, Early Bantam.	4 " Parsnip, Hollow Crown.	1 pa. each Herbs, Five varieties.
1 " " Cory.	1 qt. Peas, Thor. Ex.-E'y Market.	

CHOICE COLLECTIONS OF FLOWER SEEDS

(FREE BY MAIL)

Collection of 12 varieties of Dwarf Annuals, 1 packet each, as follows.....93000 50 cts.

Asters, Mixed
Candytuft Mixed
Convolvulus, Dwarf, Mixed
Eschscholtzia, Mixed

Larkspur, Dwarf Rocket, Mixed
Marigold, Dwarf French, Mixed
Mignonette
Nasturtium, Dwarf, Mixed

Phlox Drummondii, Mixed
Portulaca, Single, Mixed
Sweet Alyssum
Zinnia, Dwarf, Mixed

Collection of 12 varieties of Tall Annuals, 1 packet each, as follows.....93020 50 cts.

Centaurea cyanus, Mixed
Clarkia, Mixed
Collinsia, Mixed
Cosmos, Mixed

Larkspur, Tall Rocket, Mixed
Lupinus, Mixed
Marigold, African, Mixed
Malope, Mixed

Poppy, Mixed
Scabiosa, Tall, Mixed
Sunflower
Zinnia, Tall, Mixed

Collection of 12 varieties of Dwarf Perennials, 1 packet each, as follows93080 \$1.00

Alsine pinifolia
Alyssum saxatile compactum
Arabis alpina
Campanula grand. Mariesii

Candytuft gibraltarica
Daisy, Double, Mixed
Gypsophila
Leontopodium (Edelweiss)

Lychnis Haageana Hybrids
Pinks, Mixed
Primrose, Yellow
Snapdragon, Dwarf, Mixed

Collection of 12 varieties of Tall Perennials, 1 packet each, as follows.....93120 85 cts.

Aquilegia, Mixed
Centaurea candidissima
Coreopsis
Delphinium, Mixed

Foxglove
Gaillardia
Galega
Lupinus polyphyllus

Phlox decussata
Poppy, orientale
Scabiosa caucasica
Sweet William

Collection of 12 varieties of Greenhouse Seeds, 1 packet each, as follows.....93180 \$2.00

Asparagus plumosus nanus
Begonias, Single, Tuberous-rooted
Cineraria hybrida, Mixed
Calceolaria hybrida. Large-flow-
ered, Self-colored.

Coleus, Fine Hybrids
Cyclamen giganteum, Mixed
Heliotrope
Primula obconica grandiflora hy-
brida, Mixed

Musk Plant
Primula chinensis fimbriata,
Extra-fine Mixed
Smilax
Stelia serrata

Vegetable Seeds

Please notice that we pay postage or express charges on all garden seeds ordered by the packet, ounce and quarter-pound. If larger quantities are ordered to be sent by mail, add postage at zone rates.

See pages 12 to 13 of this Catalogue for COMPLETE COLLECTIONS OF VEGETABLE SEEDS of approved and choice sorts from \$1.25 to \$30, and page 13 for CHOICE COLLECTIONS OF FLOWER SEEDS.

OWING TO THE WAR MANY VARIETIES OF SEEDS HAVE FAILED TO REACH US AS EXPECTED. SEED CROPS ABROAD AS WELL AS AT HOME WERE ALL EXCEEDINGLY LIGHT THIS SEASON, MANY BEANS AND OTHER ITEMS BEING ALMOST TOTAL FAILURES. UNDER THE CIRCUMSTANCES IT WILL BE WELL, THEREFORE, TO STATE WHEN ORDERING, WHETHER WE ARE AT LIBERTY TO SUBSTITUTE OR NOT, CUSTOMERS CAN DEPEND UPON OUR USING OUR BEST JUDGMENT IN SUBSTITUTING OTHER EQUALLY GOOD SORTS FOR THOSE ORDERED WHICH WE MAY NOT BE ABLE TO SUPPLY.

ARTICHOKE

ARTICHAUT

Alcachofa

CULTURE.—Deep, rich, sandy loam with plenty of well-rotted manure. Sow seeds in April or May, and when plants are large enough, transplant into rows 3 to 4 feet apart and 2 feet in the rows. They reach maturity the second year. When cold weather sets in, bank the earth to the top, first cutting off and tying up the leaves so that they will occupy less space, and in the Spring fork in a dressing of manure. Artichoke may also be treated as an annual by sowing the seed in hotbeds during February and transplanting in May. The heads should be cut off and used as they get ready. If left to ripen on the plant, they will exhaust it, and no more will be produced that season. Heads are unfit for culinary purposes after the flowers expand.

		Pkt.	Oz.
French Green Globe. (Seed.)	The standard sort	\$0 25	\$2 00
French Purple Globe	"	25	2 00
Jerusalem Artichoke Roots.	Qt. 25 cts., per pk. \$1.25, per bushel \$4.00		

ASPARAGUS

ASPERGES

Esparrago

CULTURE.—Sow the seed thinly in rows 1 foot apart in April or May (4 or 5 lbs. to the acre), and keep down all weeds. To secure strong, healthy plants, thin the seedlings to 3 or 4 inches in the rows, saving only the strongest. The one-year-old plants should be set out in spring in rich, sandy loam, dug 18 inches deep, into which has been worked plenty of well-rotted manure. If a stiff clay soil is all that can be had, add plenty of sand and sifted coal ashes to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds 5 feet wide, three rows in a bed, the outer being each 1 foot from the edge, and allow 18 inches between the rows; set the plants from 4 to 6 inches below the surface. If set out in autumn, top-dress with 6 inches of manure. For market, on a large scale, set out 4 by 1½ feet. Every fall apply a good dressing of coarse manure, after the tops have been cut, and in spring fork in. Never cut too closely. The roots need the benefit of some foliage during the year, else they will weaken and die. Slugs are easily destroyed by applying air-slaked lime or paris green. *Asparagus from seed does not always come true to name.*

	Oz.	¼ lb.	Lb.
Colossal. The approved standard sort.			
The famous <i>Argentcuil</i> of the French			
is identical with it	\$0 10	\$0 20	\$0 50
Palmetto. Of southern origin; a very desirable, bright green Asparagus.	10	20	50
Bonvalette's Giant. An improved Palmetto, said to produce larger stalks	10	25	75
Columbian Mammoth. Very large shoots.	10	25	75
Giant Argenteuil. Popular variety in France, similar to Colossal, but larger stalks	10	25	75

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

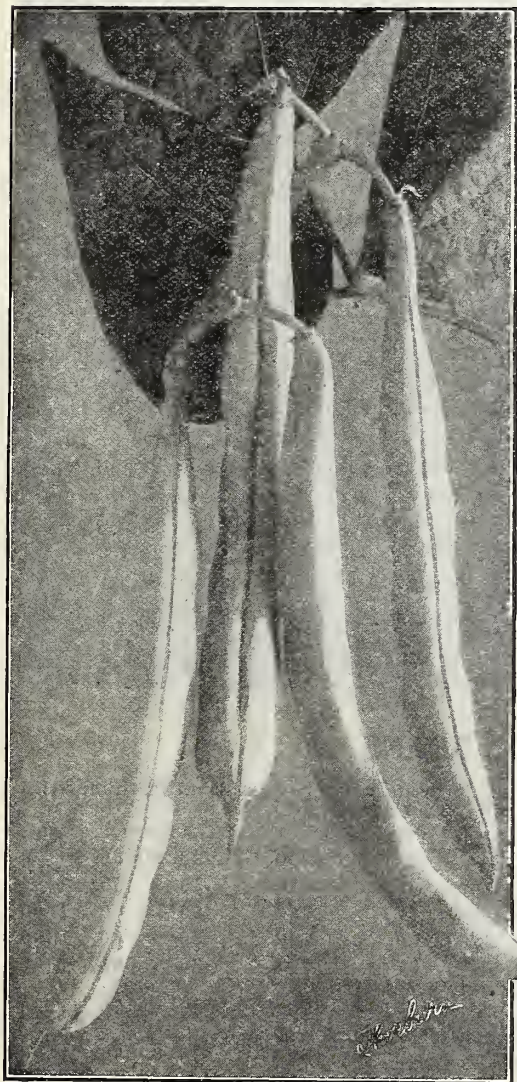


Colossal Asparagus

ASPARAGUS ROOTS*Plant either in the Spring or Fall*

	50	100	1000
Colossal. 2-year-old roots	\$0 60	\$1 00	\$8 00
" 3-year-old roots	1 00	1 50	
" 4-year-old roots. For forcing	1 25	2 00	
Columbian Mammoth. 2-year-old roots	60	1 00	8 00
Barr's Mammoth. 2-year-old roots	60	1 00	8 00
Giant Argenteuil. 2-year-old roots	60	1 25	9 00
Palmetto. 2-year-old-roots	60	1 00	8 00

In France a business is now made of growing small, green, delicate shoots of Asparagus during the winter. Strong roots may be forced in hotbeds out-of-doors. They should be packed closely into the frames, and by making a new bed every five or six weeks these tiny shoots may be had all winter and are valuable served with omelets, green peas, etc.

BEANS**Thorburn's Extra Early Refugee Beans**

Green-seeded Flageolet. Used as a *shell Bean* when green for many exquisite French dishes, also good as a string Bean. Beans tender and of fine flavor

30 50 90

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

As a farinaceous food for man, the Bean is considered far superior to any other legume, and next in importance to wheat. The modern varieties leave little to be desired; the great care given to their improvement has resulted in superior sorts, greatly extending the season of use, as well as varying the flavor.

CULTURE.—About the first of May, if the ground is perfectly warm, select a warm, dry, sheltered spot, dig and manure slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the Beans 3 inches apart in the drills, and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every two weeks for a succession. One quart to 100 feet of drill; one bushel to the acre, in drills.

DWARF GREEN-PODDED SNAP BEANS

HARICOTS NAINS

Frijoles

We supply packets of all Green-podded Snap Beans at 15 cents each, postpaid, except where quoted otherwise; other quantities NOT prepaid; add postage at zone rate 1 lb. per pint, 2 lbs. per quart.

Bountiful. Extra early, very prolific and long-bearing; flat, green pods, tender and stringless 310

½ pt. Pt. Qt.
\$0 25 \$0 45 \$0 80

Dwarf Horticultural. Late and productive; broad, flat stringless pods .. 320

30 50 90

Full Measure. Large, round pods, firm, tender, sweet and entirely stringless. Fine shipper and keeper.

340 30 50 90

Goddard, Improved (Boston Favorite).

Long, flat pods; stringless; very prolific; late. Can also be used as a shell

Bean 360 30 50 90

DWARF GREEN-PODDED SNAP BEANS—Continued

	$\frac{1}{2}$ pt.	Pt.	Qt.
Longfellow. Long, straight, round, solid, green pods; very early. .390	\$0 25	\$0 45	\$0 80
Low's Champion. Large, flat pods, stringless; fine flavor; early. .400	30	50	90
Marvel of Paris. Long slender flat pods, early, very productive. .410	30		
Mohawk. Long, flat, straight pods; early, very productive. .420	25	45	80
Refugee Late, or 1,000-to-1. Medium to late, productive and tender; round pods. .440	30	50	90
Refugee, Thorburn Extra-Early. Has all the superior qualities of the famous Refugee, and is fully two weeks earlier in podding. Beans extra fine and borne profusely. .450	30	50	90
Refugee, Stringless. Stringless at all stages of development. .470	35	60	1 00
Six-Weeks, Long Yellow. Early; full, flat pods. .480	30	50	90
Six-Weeks, Round Yellow. Full, green, roundish pods; early and productive; fine flavor. .485	30	50	90
Stringless Green-Pod. Extra early; stringless; prolific; round pods.490	35	60	1 00
Stringless Green-Pod Giant. Improved long-podded strain of above.500	35	60	1 00
MASTERPIECE (Suttons). A superior green round-podded variety, very prolific, long, straight, stringless pods; very early, fine forcer. (See also Novelties.) .510	50		
Valentine, Extra-Early. Round, thick, solid pods; tender; fine flavor. 520	30	50	90
Valentine, Black. Resembles the Valentine, but with black seed; long, round, solid pods; very tender and of good flavor; very early. 540	30	50	90

ENGLISH DWARF BEANS

FEVE DE MARIAS

Haba

CULTURE.—Sow in drills 2 feet apart, as early in the spring as the ground can be worked (these are as hardy as peas), in order to get them into pod before the heat of summer. When in pod, break off the top of the plant to check the growth. Plant and hoe the same as for Dwarf Beans. A strong soil suits them best.

Properly cooked, these Beans form one of the most delicious vegetables. To each half gallon of water allow one heaped tablespoonful of salt. The Beans should be young and freshly gathered. After shelling, put them into boiling water, salted as above. Boil rapidly for fifteen or twenty minutes, then serve with a sauce of parsley and butter. Boiled bacon is often served with the Beans.

	$\frac{1}{2}$ pt.	Pt.	Qt.
Broad Windsor. Largest and best of the class. .650	\$0 30	\$0 50	\$0 90
Sword Long Pod. A size smaller than Windsor. .670	30	50	90
Mazagan. Earliest of the class. .660	25	45	80

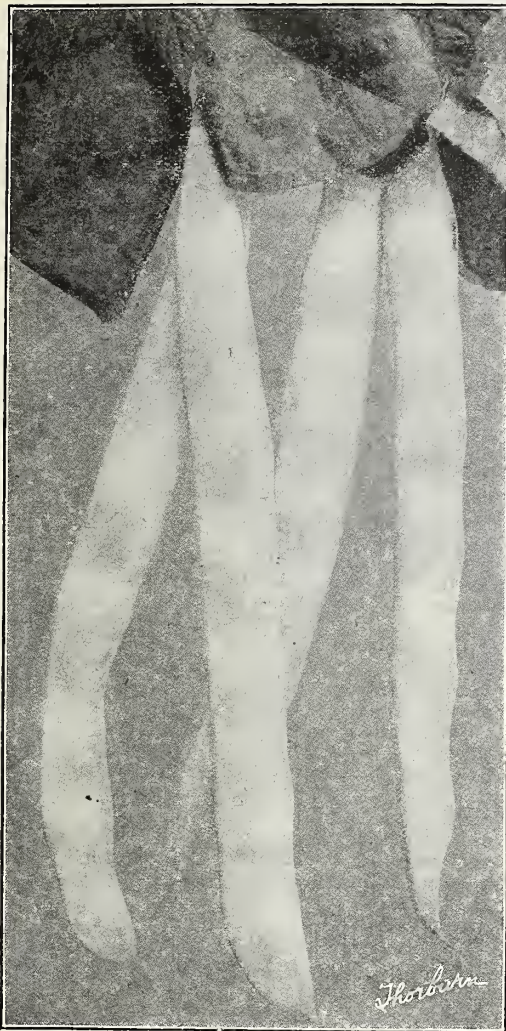
DWARF WAX BEANS

We supply packets of all Dwarf Wax Beans at 15 cents each, postpaid; other quantities NOT prepaid; add postage at zone rate 1 lb. per pint, 2 lbs. per quart.

	$\frac{1}{2}$ pt.	Pt.	Qt.
Black Wax, Improved Prolific. Very early and prolific. The pods are round, full, stringless and of fine quality. .750	\$0 30	\$0 50	\$0 90
Black Wax, Currie's Rust-proof. Flat pods; early; productive. .770	30	50	90
Black Wax, Pencil-Pod. Slender, long, round pods. .780	35	60	1 00
Davis Kidney Wax. Long, handsome, waxy white, flat pods. .790	35	60	1 00
Detroit Wax. Very much like Golden Wax; flat pods. .792	35	60	1 00
Golden Wax, Improved. Very early; flat pods; stringless; prolific. 800	30	50	90
Golden-eyed Wax. Hardy and prolific; flat, yellow pods; early and free from rust. .820	35	60	1 00
Hodson Wax. Very large, brittle and tender wax pods; enormously productive; late. .830	30	50	90
Horticultural Dwarf Wax. On same style as the green podded varieties of the same name but with wax pods. .834	Crop failed		

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

DWARF WAX BEANS—Continued



Improved Golden Wax Beans

Kidney Wax. (Burpee.)

On the style of Wardwell's Kidney Wax, but with longer pods, a more handsome appearance and stringless**840** \$0 35 \$0 60

Refugee Wax, Thorburn's

Stringless. A perfect Refugee, with brittle, wax pods; for early or late sowing; immense yielder; late**850** 35 60 1 00

Round Pod Kidney Wax.

(Brittle Wax) similar to Wardwell's Kidney, but with round pods. **860** 35 60

Sure - Crop Stringless

Wax. Stringless, long, flat pods; abundant cropper**870** 35 60

Valentine Wax, Thorburn's.

Round pod; prolific**880** 35 60

Wardwell's Kidney Wax.

Early; long, flat, purely wax pods; stringless. **890** 35 60

DWARF LIMA AND DWARF WHITE BEANS

CULTURE.—Plant as soon as warm weather has fairly set in; soil should be light and rich; drills 2 feet apart; covering about 2 inches.

We supply packets of these Beans at 15 cents each, postpaid; other quantities NOT prepaid; add postage at zone rate 1 lb. per pint, 2 lbs. per quart.

Thorburn's Dwarf Lima. ½ pt. Pt. Qt.

(The True Kumerle Strain.) The dwarf form of our famous Challenger Lima—the finest of all Limas. It possesses the flavor of the genuine Challenger Lima. The Beans are

extra large, and are a pure creamy white, very tender. They cook very mealy and form an excellent dish**1000** \$0 35 \$0 60 \$1 00

Burpee's Bush Lima. A bush form of the large, flat Pole Lima, growing only 18 to 20 inches high. The Beans are borne very profusely**1010** 30 50 90

Burpee's Improved Bush Lima. An improved strain of Burpee's Bush Lima, having much larger pods and Beans**1020** 30 50 90

Fordhook Bush Lima. Immense pods and Beans; a strong grower and very prolific**1030** 30 50 90

Henderson Bush Lima, or Dwarf Sieva. Productive; Beans somewhat smaller than the others but of fine quality**1040** 25 40 70

New Wonder Bush Lima. Early and productive, similar to Burpee's Bush Lima.**1050** 25 40 75

Wood's Prolific Bush Lima. The Early Sieva, or Butter Bean of the South. Very productive**1060** 25 40 75

White Kidney. Excellent either green or ripe, as a shell Bean**1070** 30 50 90

" **Marrow.** Good either as a string or shell Bean**1080** 30 50 90

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

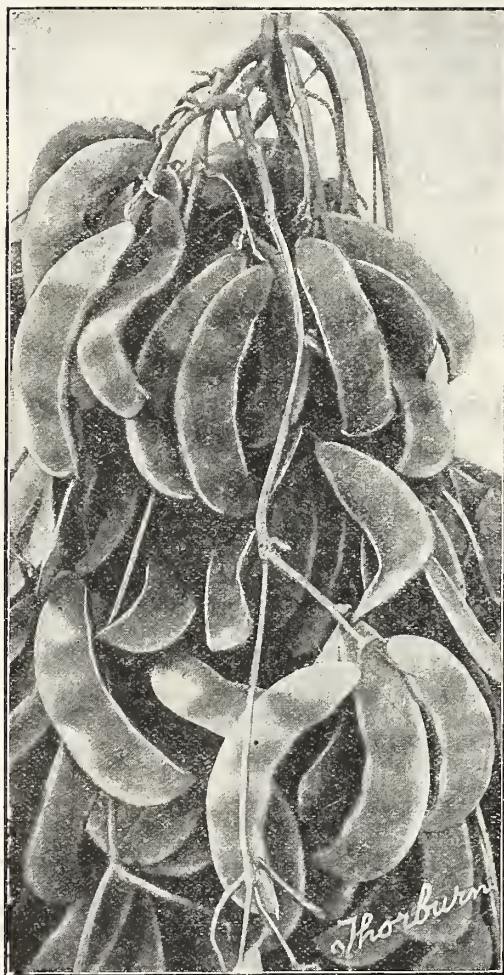
POLE, or RUNNING BEANS

HARICOTS A RAMES

Frijoles de Bejuco

We supply packets of Pole Beans at 15 cents each, postpaid; other quantities NOT pre-paid; add postage at zone rate 1 lb. per pint, 2 lbs. per quart.

CULTURE.—Sow as the soil becomes warm and dry, from the first part of May (for all except Limas) to the latter part of May, in hills 4 feet apart each way. Limas should not be planted until warm weather has fairly set in. One quart of Limas will plant about 100 hills, allowing four or five Beans to a hill, and of the smaller sorts, about 200 hills. Poles 8 to 10 feet long should be firmly set in the hills before planting seed.



Carpinteria Pole Lima Beans

LIMA THORBURN'S

CHALLENGER.

	½ pt.	Pt.	Qt.
Thick and productive; best of all. 1200	\$0 25	\$0 40	\$0 75
" Carpinteria Pole. Large; thicker than ordinary Pole Limas; vigorous grower. Very large flat beans 1204	25	40	75
" Early Jersey. Very early; Beans large and tender and average three to a pod 1214	25	40	75
" King of the Garden. Large in pod and Bean, late 1230	25	40	70
" Small Sieva or Carolina. Early 1250	25	40	75
Golden Cluster Improved Wax. Long, golden yellow pods in clusters 1300	30	50	90
Horticultural Pole. Good as a snap or a shell Bean, one of the old standards and still very popular ... 1280	25	40	70
Kentucky Wonder (Old Homestead). Pods green; very long and flat; exceedingly prolific 1310	25	40	75
Kentucky Wonder. White Seed ... 1314	25	35	60
Kentucky Wonder. Golden Wax Pod. 1320	30	50	90
Scarlet Runner. The popular English Pole Bean, good for string Beans and ornamental. 1340	25	40	75
Southern Creaseback. Long, round, stringless pods; fleshy, tender and of good flavor. 1350	25	40	70

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

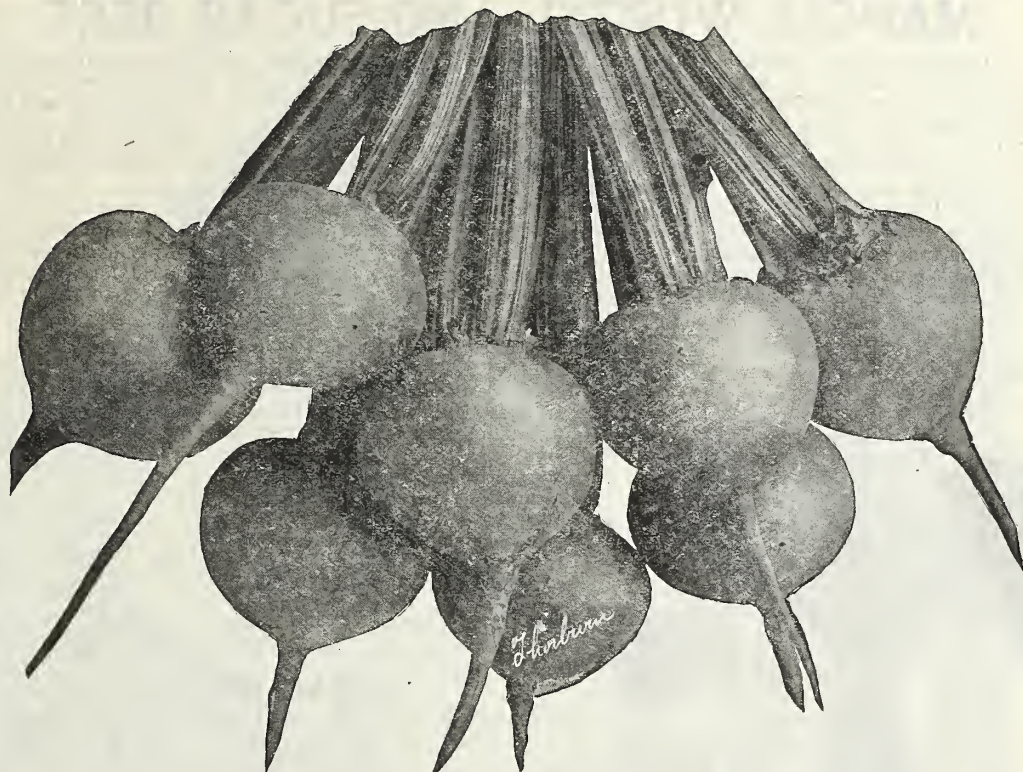
FARMOGERM

The Original and Genuine Seed Inoculant

A preparation of high-bred nitrogen-gathering bacteria in sealed bottles, ready to use with water added according to directions.

Specially prepared for Garden Beans

Price per acre bottle, \$2.00 — 5 acre bottle, \$7.50 — Garden size 50 cts. per bottle



Crimson Globe Beet

B E E T

BETTERAVE

Remolacha

CULTURE.—Sow as early in the spring as the ground can be worked (one ounce to 50 feet of drill, five or six pounds to the acre), and every two weeks after for a succession up to the first week of July. For general crop, sow about the middle of May. The soil should be light, sandy loam, well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin to from 4 to 6 inches. The young Beets with their tops, pulled out of the row, are excellent used as a spinach. For this purpose, sow frequently and use when of the size of a hickory nut.

	Oz.	$\frac{1}{4}$ lb.	Lb.
Bassano. Early; light color; good sort	\$0 25	\$0 75	\$2 50
Crimson Globe. Globular shape; flesh rich, deep crimson; tender and sweet	25	75	2 50
Detroit Dark Red Turnip. Round; skin dark blood-red; flesh bright red.	1540	25	75 2 50
Dewing Early. Of fine form and flavor; good for market	1550	25	65 2 25
Early Blood Turnip. Dark red; fine flavor; good for winter	1560	25	75 2 50
Eclipse. Early; round; bright red	1570	25	65 2 25
Edmand Blood Turnip. A market-gardeners' strain; regular in shape and of best quality	1580	25	65 2 25
Egyptian. Extra early; flat	1590	25	75 2 50
Egyptian, Crosby's. Extra early; round; dark blood-color	1600	25	75 2 50
Half-Long Blood. Fine dark strain for winter	1610	25	65 2 25
Long Smooth Blood. (Out of ground.) A good late variety for winter.	1620	25	65 2 25
Trevise (Columbia). Red; early; flat; tender. Fine sort for table.	1644	25	75 2 50
Witham Fireball. Brilliant red flesh; solid, sweet and crisp; fine quality; globe-shaped; very early	1650	30	85 3 00
Swiss Chard, or Silver Beet. To be used same as spinach (see page 45).	1690	25	75 2 50
Swiss Chard, or Silver Beet, Lucullus. Large leaves; tender and of fine flavor, dark green; pure white ribs (see page 45)	1700	30	85 3 00

All 5 cents per packet.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

MANGEL-WURZEL AND SUGAR BEET

CULTURE.—As all Mangels require a deep soil in order to grow well, plow and subsoil at least 1 foot to 18 inches and apply plenty of rich stable or Thorburn's Complete Manure. Sow in May or June, in rows 18 inches to 2 feet apart, and thin to 8 inches in the rows. Young plants may be transplanted to fill up vacancies. Sow in addition, when the plants are 3 to 4 inches high, at the rate of 200 pounds of Complete Manure, 200 pounds of bone meal and 400 pounds of salt to the acre. As soon as frost occurs, dig the crop. In order to be well preserved for gradual consumption during the winter, the Roots should be heaped to a height of perhaps 6 feet, on a dry, sloping situation; cover at first with a piece of canvas, and as the cold increases, this should be replaced by about 6 inches of either salt hay, straw, seaweed or cornstalks, with a light layer of earth on top. As soon as this surface soil becomes frozen, about 6 to 8 inches more of earth should be placed over it. By following up this gradual process of covering, all danger of heating will be obliterated, and the roots will keep in perfect order. *Sow from five to eight pounds to the acre.*

MANGEL-WURZEL

		Oz.	¼ lb.	Lb.
Giant Yellow Intermediate. Very large	1860	\$0 15	\$0 40	\$1 25
Golden Tankard Mangel-Wurzel.				
Large; bright yellow skin; handsome, sweet and productive	1870	15	50	1 50
Golden Globe. Productive	1874	15	50	1 50
Mammoth Long Red Mangel-Wurzel. Very large; enormously productive under careful culture	1910	15	50	1 50
Yellow Ovoid. Of distinct shape; one of the most productive sorts; flesh white, tender and sweet	1950	15	50	1 50

SUGAR BEET

We recommend five to ten pounds to the acre

		Oz.	¼ lb.	Lb.
Klein Wanzelben	2000	\$0 15	\$0 50	\$1 50
Vilmarin Improved	2010	15	50	1 50
White, Rose-Top	2020	15	50	1 50
White, Green-Top	2030	15	50	1 50
Lane's Imperial	2040	15	50	1 50

BORAGE

BOURRACHE *Borraja*

The young leaves of this annual, which smell somewhat like a cucumber, are used as salad, or boiled like spinach. Should be sown at intervals, as the leaves are palatable only when young. Sow in the Spring, in light soil; transplant in shallow drills, a foot apart, when of six weeks' growth. 240. Pkt. 10c., oz. 25c., ¼ lb. 60c., lb. \$2.00.

BROCCOLI

BROCCOLI *Brocoli*

CULTURE.—Sow early sorts as soon as the ground can be worked in the Spring, in shallow drills, drawn 3 or 4 inches apart. Plant out 2 feet apart each way when the plants are about 4 inches high. Cultivate same as cabbage, in rich soil, and use the same remedies for insect attacks. The following are sorts best adapted to this climate; they are excellent and deserve much wider culture than is usual in this country.

		Oz.	¼ lb.	Lb.
Early White	2100	\$0 30	\$1 00	
Mammoth White	2110	30	1 00	
Veitch's Self Protecting	2130	30	1 00	

10 cents per packet

BRUSSELS SPROUTS

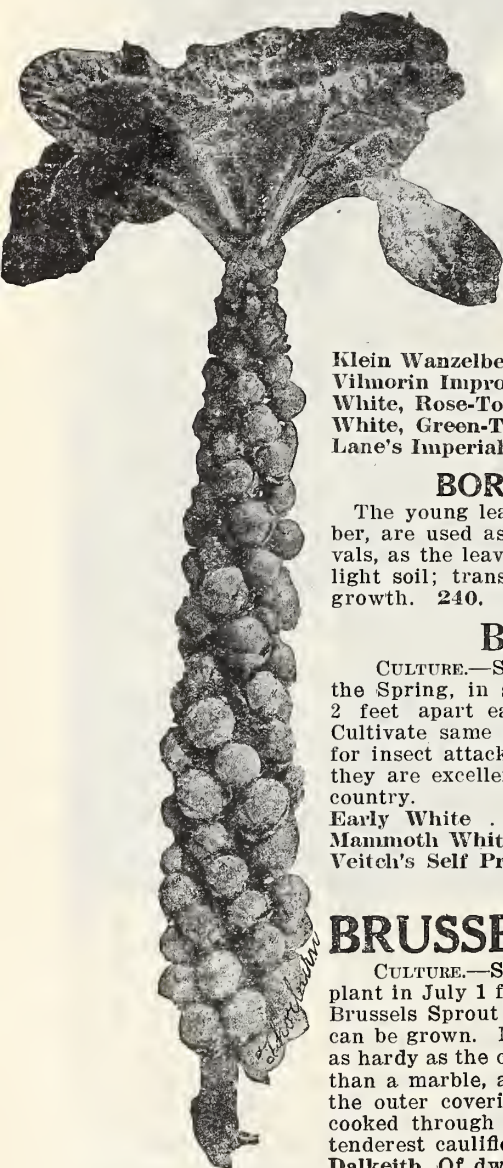
CHOU DE BRUXELLES
Berza de Bruselas

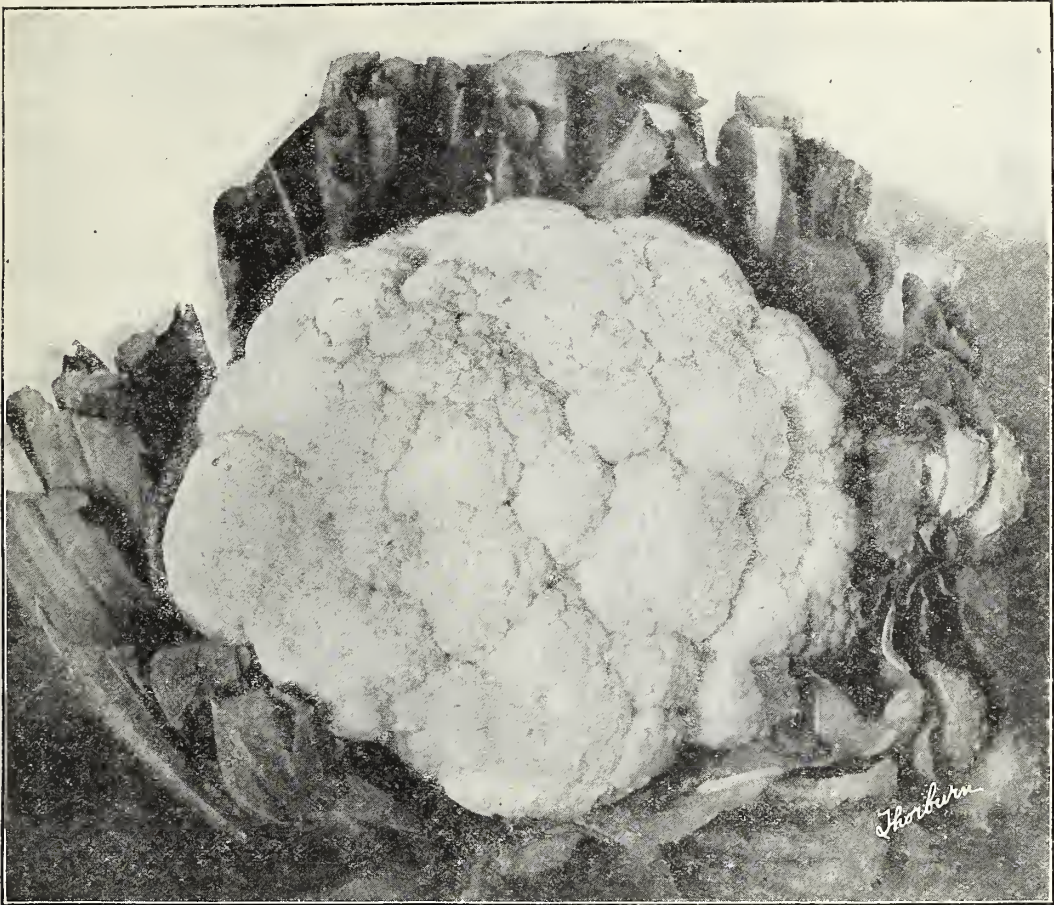
CULTURE.—Sow in May, in the same manner as cauliflower, and transplant in July 1 foot apart in the rows which should be 1½ feet apart. The Brussels Sprout is, without exception, the very best winter vegetable that can be grown. Not the least valuable point connected with it is that it is as hardy as the common curled greens. The real Sprout is not much larger than a marble, and as firm and hard almost as the stalk itself. Strip off the outer covering, cook them whole, and serve in that fashion. When cooked through and no more, such Sprouts melt in the mouth like the tenderest cauliflower, and are equally good.

		Oz.	¼ lb.	Lb.
Dalkeith. Of dwarf growth, producing large, solid sprouts	pkt. 10 cts. 2190	\$0 40	\$1 25	\$4 00

Brussels Sprouts

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound





Thorburn's Gilt-Edge Cauliflower

CAULIFLOWER

CHOU-FLEUR

Coliflor

CULTURE.—The same as for cabbage except that extra manure and plenty of water will pay upon Cauliflower. If the soil be dry, water frequently, and, if the plants have a heavy mulch of hay or straw, it will keep the soil moist, and they will not suffer from drought. The early kinds should be strong enough to plant out not later than the middle of April; the late kinds may be planted out the same time as cabbage.

Thorburn's Extra Early Dwarf Erfurt. The best and earliest for forcing; very dwarf and compact, with short stem and small leaves.

The curd is very tender and exceedingly fine flavored. Should not be confounded with entirely different sorts advertised. pkt. 50c...**2250**

THORBURN'S GILT-EDGE. Large, heavy sort, maturing immediately after our Large Snowball. Best of all. See Novelties. . . pkt. 50c.

2270 \$5 00

Thorburn's Extra-Early Snowball. Our strain of this popular variety is unequalled. It is one of the best for forcing under glass or for open ground pkt. 25c...**2280**

3 00

Danish Giant, or Dry Weather. Later than Early Erfurt, pure white and of fine quality, said to be less affected by drought than any other variety pkt. 25c...**2295**

3 00

Extra-Early Paris. Heads of medium size; first class variety.

pkt. 25c...**2310**

1 25

Lenormand Short-Stem. French grown. Has very large heads; white and firm pkt. 25c...**2320**

1 25

3 00 10 00

Lenormand Short-Stem. Italian grown pkt. 10c...**2325**

75

2 25 8 00

Large Algiers. Italian grown. Market-gardeners' popular late sort for the South pkt. 10c...**2330**

75

2 25 8 00

Thorburn's Nonpareil. French grown. A first-class standard sort.

pkt. 25c...**2340**

1 25

3 00 10 00

" " Italian grown pkt. 10c...**2345**

75

2 25 8 00

Early London. Large and hardy pkt. 10c...**2350**

75

2 25 8 00

Early White Nocera. Short stem pkt. 10c...**2355**

60

1 75 6 00

Autumn Giant. Vigorous in growth; very large; late. pkt. 10c...**2360**

75

2 25 8 00

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



Thorburn's Early Jersey Wakefield Cabbage

CABBAGE

CHOU

Col repollo

CULTURE.—Soil for Cabbage should be rich and heavy loam, with good drainage. On such a soil, with an abundance of stable or Thorburn's Complete Manure, excellent crops are sure to be grown. For early Spring, sow in Fall not too early, for the plants are liable to bolt in the Spring, instead of heading. In a month the plants will be fit to transplant to coldframes, where they are wintered, taking care in planting to set the young plants down to the first leaves. Transplant in Spring as soon as the ground can be worked, setting the plants 2 feet apart one way and from 12 to 18 inches the other, according to the variety. If it is desirable to economize space, lettuce, or radish may be sown between the rows, as they will be out of the way before the Cabbage needs the room. For late or winter crop, the seed is sown in May, and the plants set out in July. In this case, they are set in rows 2 by 3 feet, so as to work them with a horse and cultivator. To destroy the green worm, an experienced grower says: "Take one ounce of saltpeter and dissolve it in twelve quarts of water; then take a short-handled whisk-broom, dip it in the solution and sprinkle the plants well. One application is sufficient unless the stuff is washed off by heavy rains. The liquid being perfectly clear, never colors the cauliflower or Cabbage heads." To prevent the turnip flea attacking the young plants, sift fine air-slaked lime or tobacco dust over them as soon as they appear above ground.

	Oz.	$\frac{1}{4}$ lb.	Lb.
All Head. Very early. Very solid. Large.	2394	\$0 50	\$1 50
Autumn King. Large flat heads, fine quality and good keeper for winter	2380	50	1 50
Early York. The standard English sort. Splendid	2420	25	75 2 50
Large Early York. Larger than the above. Splendid	2430	25	75 2 50
EARLY JERSEY WAKEFIELD, THORBURN'S. The most popular early variety; heads very solid, pyramidal shape. (See Novelties.)	2460	45	1 35 4 50
Charleston Wakefield. Large strain of the above	2464	50	1 50
Enkhuizen Glory. Large, early, white, solid, ball-shaped heads. American grown	2470	45	1 35 4 50
Early Flat Dutch, Stein's. For forcing or for general crop.	2475	40	1 25
Early Winnigstadt. A standard second-early variety; very hard heads. A valuable market Cabbage.			Crop failed

All 10 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

CABBAGE—Continued

	Oz.	¼ lb.	Lb.
Early Summer. Second-early; produces large, solid heads of finest quality and of fine flavor	\$0 45	\$1 35	\$4 50
Fottler's Brunswick. Of dwarf, compact growth; hard and solid heads. Good for both intermediate and winter use	45	1 35	4 50
Succession Improved. Excellent second-early sort; large, solid heads; very popular second crop	45	1 35	4 50
Large Late Flat Dutch. A valuable sort for market. One of the best-known winter Cabbages	45	1 35	4 50
Thorburn Market-Gardener's Private Stock Flat Dutch. Fine strain of the immense winter Cabbage grown on Long Island for market. Of the finest quality and flavor	45	1 35	4 50
St. Louis Market Flat Dutch. Long Island grown	45	1 35	4 50
Danish Ballhead Winter, Short Stem. Very round, solid winter sort, largely grown in Denmark for the London market. A fine shipper. 2580	40	1 25	4 00
Red Dutch. Popular pickling variety; large heads of finest quality. 2610	40	1 25	4 00
Red Mammoth Pickler. Very large, dark color	50	1 50	5 00
Savoy, Early Ulm. Medium size, round, deep green heads; very early. 2610	40	1 25	4 00
Savoy, Late Drumhead. Large, late, finely curled	40	1 25	4 00
Chinese (Pe-Tsai).	40	1 25	4 00

CARDOON

CARDOON

Cardo

CULTURE.—Sow early in spring, in rows where the plants are to stand, and thin them to 2 feet apart. When full size, bind them together with bast or raffia, and earth up like celery to blanch. The stems of the leaves are used for salads, soups and stews. The stems should be wintered in a cellar away from frost.

Large Solid. Smooth; grows about 4 feet high; leaves nearly free from spines.

pkt. 10c...2770 \$0 40 \$1 25 \$4 00

CARROT

CAROTTE

Zanahoria

CULTURE.—Sow No. 2890 as early as the ground can be worked; or, for late crop, until the latter part of July, or early in August for a winter crop. This is the finest and most tender for table use. For main crop sow other sorts from middle of May to the first of July. Thin out early crop to 5 inches in the row, main crop, 6 to 7 inches, the rows 10 inches apart for early crop, 14 for main crop. Hoe often and deeply between the rows. Soil should be light and loamy, richly manured and deeply dug. Sow at the rate of two to three pounds to the acre; one ounce to 100 feet of drill. Carrot-tops cut from fairly young plants may be used for pretty indoor greenery. Put one cutting into each thumb-pot, or three or four into a larger pot around the sides. Fairly good and sandy soil should be used, syring frequently until growth is well forward. About 1 inch of Carrot should be left to put in soil, but this should be surrounded with soil or moss to hide it. When fully grown it is very pretty, the long fronds hanging over gracefully.

Parisian Forcing. Early, tender and sweet; fine for early and late crops, also for frames

Oxheart Half-Short (Guerande). Very thick and short

Scarlet Horn, Early. Very thick roots; fine for frames. 2930

Half-Long, Stump-Rooted, Nantes Strain. One of the most popular sorts

Chantenay, Half-Long, Stump-Rooted. Style of Nantes, broader shoulder. 2990

Dauvers Half-Long. Large; of good quality; productive ...

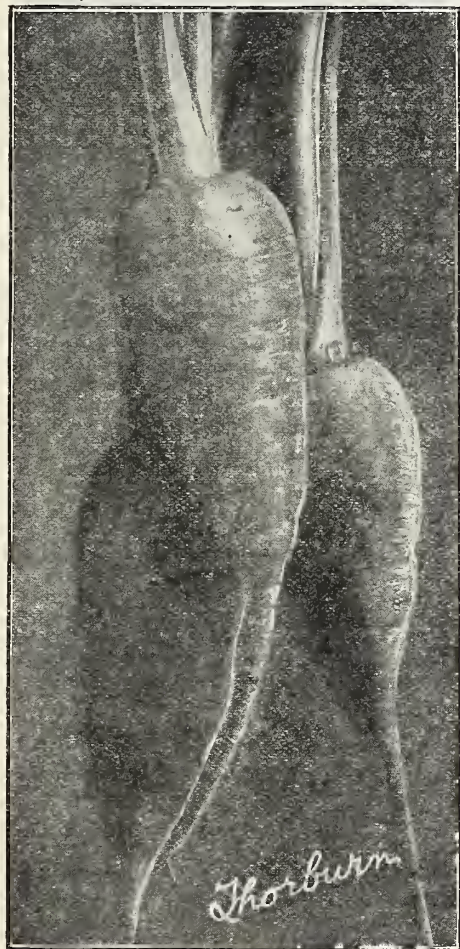
St. Valery. A thick, intermediate long red

Long Orange. Best for stock-feeding

Long White Belgian. Very large; one of the best varieties for stock. 3070

All 10 cents per packet except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



CELERY

CELERY

Apios

CULTURE.—Sow the seed in a light, rich, dry border as early as the ground can be worked, in drills 8 to 10 inches apart, and cover the seeds about a quarter of an inch deep, rolling or treading them in if the ground be dry.



When fairly out of the seed-leaf, they may be transplanted to another bed, or they may be thinned out to 6 or 8 inches apart, and let grow until wanted to plant out in beds or trenches. The beds should be kept well weeded, and an occasional soaking with water in dry weather will do the plants good. Early in July in the North, a month or six weeks later in the southern states, is the proper time to set the plants out in beds or trenches. Press the soil firmly against the roots. In the garden the better way is to set the plants in shallow trenches. We say shallow for it is obviously a bad plan to remove all the good soil (as must be done in a deep trench) and put the plants in that which is poor. The plants must be set in a single row in a narrow trench; or the trench may be made into a bed wide enough to hold two, three or four rows, 1 foot apart, and the plants about 8 inches apart in the rows, and in this case the plants are in compact form to be covered for the winter where they grow. This will save much labor where there is no root-cellar for storage, as often happens to be the case. The bed should be made very rich with thoroughly decomposed manure. The plants will need to be earthed up two or three times, and, in doing this, care should be taken not to let the earth get into the heart of the plant. In field culture, the plants are set on the surface in rows 4 feet apart when the Celery is to be earthed up in the field for early use, and 2 feet apart when the plants are to be taken up and blanched in the cellar for winter use. The plants are set 6 inches apart in rows. If not grown in beds, the best way to store is to dig trenches in a well-drained spot in the open ground, 1 foot wide, and at a depth of a few inches less than the height of the Celery. The plants are then lifted and set close together. When severe cold

Golden Self-Blanching Celery, Thorburn's Gilt Edge

weather comes on, cover gradually with leaves, hay or straw, and place boards on top. The turnip-rooted Celery (Celeriac) needs no earthing up, and may be planted in rows 1 foot apart. Early spraying with bordeaux mixture is extremely efficacious in case of Celery blight or rust.

Thorburn's Fin de Siecle. We consider this the largest, hardest, solid-est, crispest, best-keeping and best shipping winter Celery we know of

Improved White Plume. Naturally white or light foliage; requires but little banking up to blanch; very early and extensively grown for market

GOLDEN SELF-BLANCHING, THORBURN'S GILT-EDGE. Our finest strain

Perfection Heartwell. One of the finest and largest of winter varieties, either for family or market-garden. The heart is golden yellow

Giant Pascal. An easily blanched and fine-keeping, large, late sort.

Dwarf Golden Heart. Large, solid, crisp and tender, blanching white, hardy

New Rose. Fine flavor; handsome variety

Winter Queen. Very large, solid, green, winter sort; blanches well.

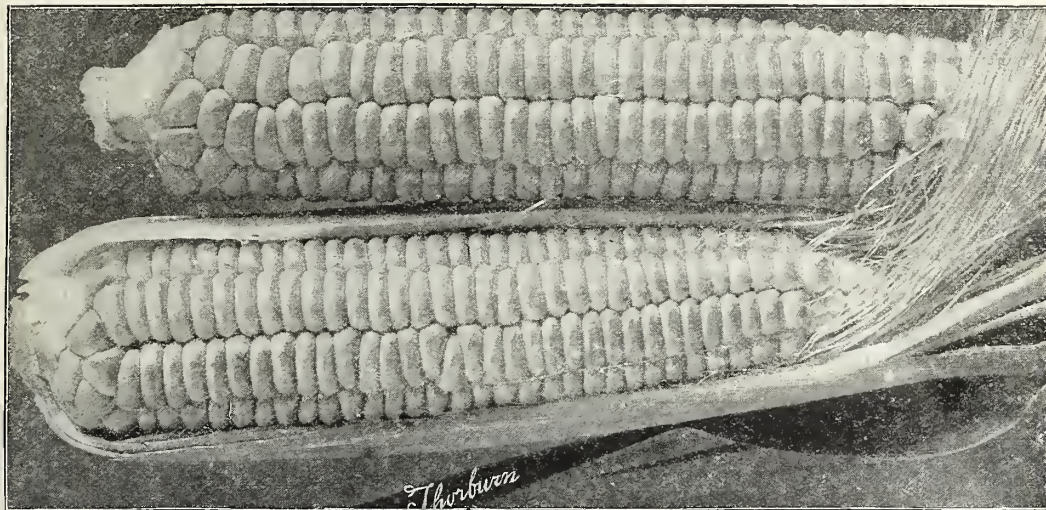
Celeriac, Giant Prague. Very large roots, for soups and stews; when cooked and sliced makes fine winter salad

Celeriac may be stored like beets, and will keep all winter

All 10 cents per packet except where quoted otherwise

Oz.	¼ lb.	Lb.
\$0 25	\$0 85	\$2 75
30	85	3 00
1 00	3 50	12 00
30	85	3 00
25	75	2 50
25	75	2 50
25	75	2 50
40	1 25	4 00

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



Golden Bantam Sweet Corn

CORN, SWEET or SUGAR

CULTURE.—Plant in hills 3 feet apart each way, and five or six kernels in a hill. Hoe often and draw soil up to stem; break off side shoots. Make the ground rich with well-rotted manure. If sown thinly in drills, a greater yield from a given surface will be obtained.

We supply packets of Corn at 15 cents each, postpaid; for other quantities, NOT PRE-PAID, add postage at the zone rate of 1 lb. per pint and 2 lbs. per quart.

Most varieties can be furnished on ears at 5 cents each, transportation extra

EXTRA EARLY

THORBURN'S NORDHEIM EXTRA-EARLY. Earliest and finest of all. The stalks grow 6 to 7 feet high, each bearing three or four nearly perfect ears of excellent quality. The grains are large, white and very sweet.....per pound 60c...**3700**

Early Mayflower. Extra early; large ears; sweet and tender.**3705**

Early Red-Cob Cory. A very early variety with good-sized ears. Very sweet, tender and of fine flavor**3710**

White Cory. Resembles the ordinary Cory, but with white cob.
3720

Mammoth White Cory. Ears double the size of the old Cory, and better in flavor**3740**

Metropolitan. Large, handsome ears of fine quality; very early. A splendid market variety**3750**

Golden Bantam. Extra early; yellow; very sweet and tender.**3760**

Seymour's Sweet Orange. A vigorous grower, attaining a height of 6 to 7 feet, and producing generally two good-sized ears to a stalk. It matures about a week later than Golden Bantam and is fully equal to it in the deliciousness of its flavor**3764**

Early Fordhook. Large ears; extra early; pure white**3769**

Peep-o'-Day. Very early, sweet and of delicate flavor.....**3780**

Minnesota. Nearly as early as Cory, but with larger ears..**3790**

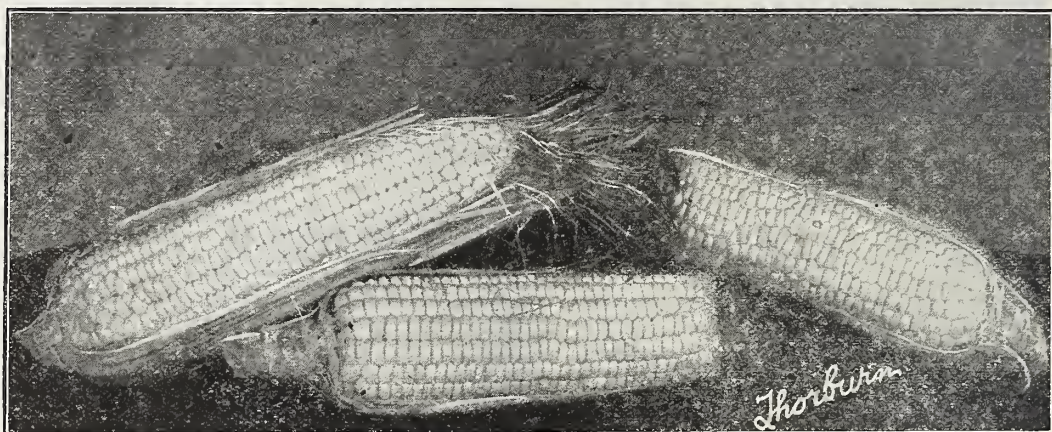
Extra-Early Adams. Not a Sugar Corn, but grown for early use. Tender and sweet; fine for the table**3860**

	Pt.	Qt.	½ pk.	Pk.
Early Mayflower.	\$0 40	\$0 60	\$1 75	\$3 00
Early Red-Cob Cory.	40	60	1 75	3 00
White Cory.	40	60	1 75	3 00
Mammoth White Cory.	40	60	2 00	3 00
Metropolitan.	40	60	2 00	3 00
Golden Bantam.	45	75	2 50	4 00
Seymour's Sweet Orange.	40	60	2 00	3 00
Early Fordhook.	40	60	2 00	3 00
Peep-o'-Day.	40	60	2 00	3 00
Minnesota.	40	60	2 00	3 00
Extra-Early Adams.	25	40	1 35	2 25

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

SECOND-EARLY, or INTERMEDIATE

Thorburn's Early White Perfection. A valuable second-early sort, producing good-sized ears. The cob is small and the grain is almost white. It is a heavy yielder, very sweet and an almost perfect type without flint or glaze	3900	Pt.	Qt.	½ pk.	Pk.
Early Champion. Very large ears, considering its earliness	3910	\$0 40	\$0 60	\$2 00	\$3 00
Early Mammoth. Large ears; fine quality; not very late	3930	40	60	2 00	3 00
Crosby. Matures after Minnesota; fair sized ears of good quality.	3940	40	60	2 00	3 00
Howling Mob. An early corn of large size, white and sweet.	3944	40	60	2 00	3 00
Long Island Beauty. Very early; large size; valuable market sort.	3945	40	60	2 00	3 00
Potter Excelsior. Good-sized ears of fine quality	3950	40	60	2 00	3 00
Moore Concord. Of strong growth; ears large and well filled.	3960	40	60	2 00	3 00
Early Evergreen. A week earlier than Stowell Evergreen	3970	40	60	2 00	3 50
Early Adams. Grown extensively for market	3980	25	40	1 50	2 25



Stowell's Evergreen

GENERAL CROP

Hickox Improved. Handsome ears; very white and of rich flavor.	4020	30	50	1 60	2 75
Stowell Evergreen. One of the most popular varieties	4040	40	60	2 00	3 00
Golden Evergreen. Late; very sweet, round grains; beautiful variety of most excellent quality	4050	45	75	2 50	4 00
White Evergreen. Strain of Evergreen with pure white grains.	4060	40	60	2 00	3 00

LATE SWEET CORN

Black Mexican. Very sweet, of superior flavor; grains black.	4100	30	50	1 60	2 75
Late Mammoth. Rank in growth; large ears, rich and sweet.	4120	40	60	2 00	3 00
Country Gentleman. A large selection of the Ne Plus Ultra, introduced by us in 1888	4140	45	75	2 50	4 00
Ne Plus Ultra. Small, but one of the sweetest sorts	4150	40	60	2 00	3 00
SWEET FODDER CORN	4180			1 50	2 50

FOR FIELD CORN AND POP CORN, SEE PAGE 62

CHERVIL

CERFEUIL

Perifollo

CULTURE.—Cultivate and use the curled variety of chervil like parsley. Sow at any time in the spring in shallow drills, 1 foot apart, in well prepared ground. Oz.

Curled. Leaves used for flavoring soups and stews and for garnishing. pkt. 5c. **4240** \$0 20

Plain. Like above, but not curled. pkt. 5c. **4250** 20

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CHICORY

Witloof. Known in restaurants as French Endive. Sown in May and June in drills. Transplant or thin to 6 ins.; treat as endive, except that in late summer or fall it should be gradually banked up like celery. The stalks when blanched, make a delicious salad. It is also used by the French as a boiled vegetable. . . . **4310**

WITLOOF ROOTS. For forcing and blanching. Largely used for salad, and also as a cooked vegetable. The roots may be forced in a dark dry cellar on a mild hotbed made with fresh horse-manure; when this becomes hot cover with a layer of rich, light soil to a depth of one foot. As soon as the soil becomes warm plant the roots close together in rows, all crowns at same level, each row 6 inches apart. Cover with 8 inches of very light soil. There are also systems of hot water pipes used in place of manure for forcing this vegetable. Per 100 \$3.50, per 50 \$2.00, per 20 \$1.00.

Pkt. Oz. ¼ lb.

\$0 10 \$0 50 \$1 25

SEE ALSO ENDIVE, THE CHICORY OF THE FRENCH, PAGE 29

COLLARDS

CULTURE.—Sow seeds as for cabbage, in June, July and August for succession. Transplant when a month old in rows a foot apart each way and hoe often.

Oz. ¼ lb. Lb.

Georgiapkt. 5c.**4380** \$0 15 \$0 50 \$1 50

CORN SALAD, or FETTICUS

MACHE

Macha o Valerianilla

CULTURE.—Sow during August or early in September, in drills one-fourth of an inch deep and 6 inches apart. If the weather is dry when the seed is sown, tread it lightly to insure germination. Keep weeds down with hoe. Just before the winter cover thinly with straw or leaves.

Oz. ¼ lb. Lb.

Large-seeded**4430** \$0 15 \$0 50 \$1 50
Spoon Leaved. Large dark green**4460** 20 60 1 75
Market Gardener's Full Heart.**4470** 20 60 2 00

CRESS

CRESSON

Bara o Mastuerzo

CULTURE.—Sow No. 4520 thickly in shallow drills, every two or three weeks. It should be cut often and it will continue to grow. It is useful not only for salad, but for the breakfast table and for garnishing. Nos. 4555 and 4570 should be sown in damp soil; or, if a stream of water can be utilized, they will be much finer. They will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad, it is a good plan to sow with Water Cress seed a strip 4 inches wide on the outer margin of a hotbed, inside the frame, where it is always cool.

Oz. ¼ lb. Lb.

Curled, or Pepper Grass**4520** \$0 10 \$0 35
Common, or Plain-leaved**4530** 10 30
Golden Yellow Broad-leaved. Yellow. Mild and tender**4555** 10 25 75
True Water Cresspkt. 10c.**4570** 60 2 00

All on this page 5 cents per packet except where quoted otherwise

CUCUMBER

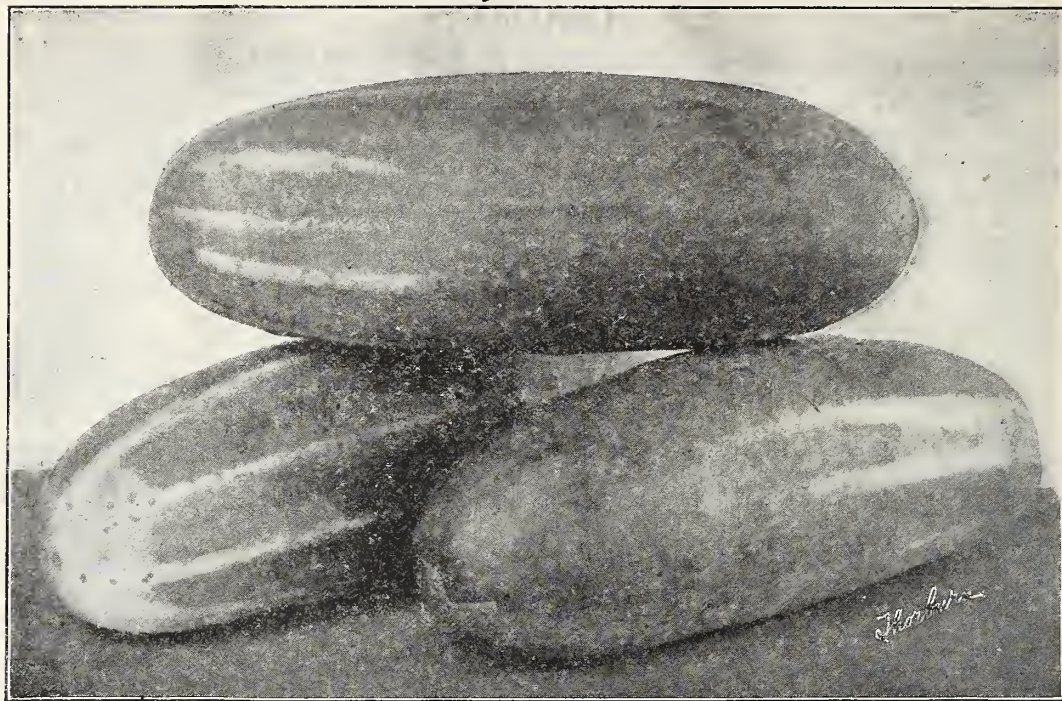
CONCOMBRE

Pepino

CULTURE.—For very early, sow in hotbeds upon pieces of sod, or in small pots. They can be readily transplanted with a gain of about six weeks over those sown in the open ground. Plant out in rich soil when danger of frost is over, or protect by hand-glasses, or by paper held down at the corners with a handful of earth. For general crop, sow in the open ground as soon as the weather is settled and warm, and every two weeks for a succession. For pickles, sow from middle of June to first week in July. Sod land, turned over in fall, is the best for them. Plant in hills 4 feet apart, putting a shovelful of well-rotted manure in each hill.

Cumberland. One of the best for pickling; handsome and productive; flesh firm, but very crisp and tender**4750** \$0 10 \$0 30 \$1 00
Davis Perfect. Fine for forcing or for outdoors. The fruit is long and straight, and being a comparatively shy seeder, is very valuable for slicing**4770** 10 30 1 00

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



Thorburn's Noroton Selected White Spine Cucumber

	Oz.	1/4 lb.	Lb.
Early Green Cluster. Fruit small and in clusters; very prolific ...	\$0 10	\$0 30	\$1 00
Early Russian. Very early, short; fine for pickles	10	25	85
Giant Pera. Very long; one of the best for table use	10	30	1 00
Fordhook Pickling. Very prolific; medium size; fine pickling strain.			
	4810	10	30 1 00
Thorburn Everbearing. Small-sized; very early and enormously productive; valuable as a green pickler	4820	10	30 1 00
Cool and Crisp. Extra early and very prolific; long, straight, slender and very dark green; good either for pickling or slicing	4830	10	25 85
Fordhook Famous. Long, straight and well formed; vigorous grower, very productive; does not turn yellow	4850	10	25 85
New Orleans Market. For forcing or open ground; very productive.			
	4860	10	25 75
White Spine Extra-Early. An extra-early strain of the popular White Spine	4864	10	25 85
“ “ Improved. A very handsome and uniform early variety.			
	4870	10	25 85
“ “ Arlington. Fine either for forcing or for outdoors...	4880	10	25 85
“ “ Klondyke. A desirable early dark green variety; very prolific	4885	10	25 75
“ “ Hills Forcing	4886	10	25 75
“ “ THORBURN'S NOROTON SELECTED. A selection of Improved White Spine. Earlier, more perfect in shape and more prolific; best slicing variety; splendid either for home garden or market	4890	10	30 90
“ “ Extra-Long, Perfected. A beautiful, large and well-shaped Cucumber	4900	10	25 85
Long Green, Improved. Long and Crisp; a popular variety for pickles.			
	4920	10	30 1 00
“ “ Turkey. Fruit very long and slim	4930	10	30 1 00
Green Prolific Pickling. One of the best for pickling; dark green.	4940	10	30 1 00
Tailby Hybrid. Very long, and superior for table use	4960	10	30 1 00
Japan Climbing. Good for frames or open ground	4970	15	35 1 25
Small Gherkin. Very small bur; used for pickles	4980	20	40 1 50
Lemon Cucumber, or Garden Lemon. Almost round, yellow and green markings; tender and of sweet flavor. Like a lemon in appearance	4990	20	40 1 50

All 5 cents per packet, except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

CUCUMBER—Continued

ENGLISH CUCUMBER FOR FRAMES

(Concombre especes)
(Anglaises pour couches)

CULTURE.—Sow seeds in October, November or December, according to the time they are wanted, in small pots, in fibrous loam, lightened and enriched with old manure; give plenty of air and water. Plunge the pots in a frame near the glass, where there is a little bottom heat, and keep them covered with brown paper until the seeds germinate. Afterward uncover and ventilate to insure sturdiness of habit. Only strong plants should be employed. It is necessary to fertilize the pistulate flowers with the staminate to render the vines productive as, owing to the absence of flies or bees, they will not produce a crop under glass as in open ground.

	Pkt.		Pkt.
Hurst's Monarch. Splendid sort...	5096 \$0 25	Telegraph. Free-bearing; hand-	
Marvel. (Hurst's.) Heavy cropper.		some	5130 25
	5110 25	Veitch's Sensation. Fine dark variety.	
Rochford's Market. Fine variety.	5120 \$0 25		5160 25

CHICOREE ENDIVE, or CHICORY

Escarola o Endiva

CULTURE.—Sow in June, July or August; cover lightly; when up, thin out to 8 inches apart and water well, if dry. When the leaves are 6 to 8 inches long, blanch by tying together near the top with yarn or raffia. (They must be quite dry, or they will rot.) At the approach of winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar. They must be kept dry and have plenty of air.

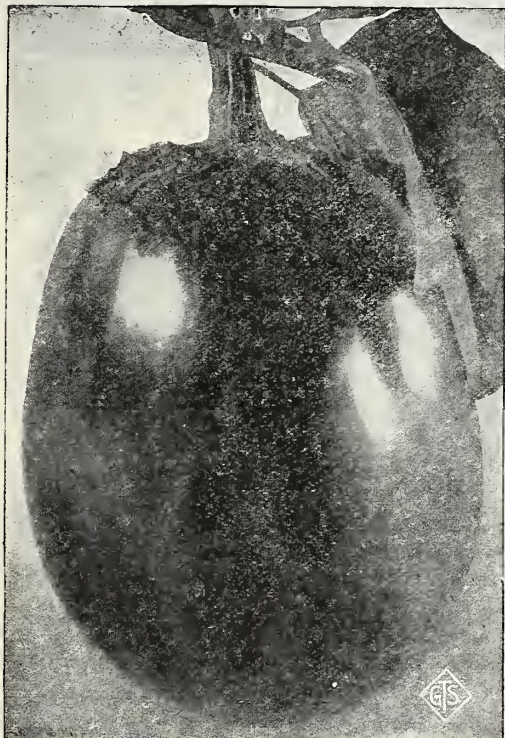
	Pkt.	Oz.	¼ lb.	Lb.
Large Green Curled (de Ruffec). Broad ribs; fine for fall and winter.	pkt. 5c... 5210	\$0 20	\$0 50	\$1 75
	pkt. 5c... 5220	20	50	1 75
Curled (Pancalier). Fine, very large	pkt. 5c... 5225	20	50	1 75
Giant Fringed or Oyster. New, has a large white heart...	pkt. 5c... 5227	20	50	1 75
White Curled. For early use.	pkt. 5c... 5240	20	50	1 75
Broad-leaved (Escarolle). A sweet variety; fall and winter.	pkt. 5c... 5230	20	50	1 75

SEE ALSO WITLOOF (FRENCH ENDIVE) UNDER CHICORY, PAGE 27

AUBERGINE

EGGPLANT

Berengena



CULTURE.—Sow in hotbeds very early in spring and transplant when 2 inches high into a second bed or into small pots. If this is not done, thin to 4 inches apart. Do not plant out until weather is perfectly settled and warm. Cool nights or wet weather will check them. Keep some back in frames for a second planting, in case of weather changing unexpectedly. Set out plants 3 feet by 2.

	Oz.	¼ lb.	Lb.
Improved .. New .. York			
Spineless. The stand-			
ard; largest and best;			
oval; deep purple;			
early and productive.			
5310	\$0 75	\$2 50	
BLACK BEAUTY. As			
large as the New York			
Improved but about			
ten days earlier; very			
rich purplish black.			
5320	60	2 25	
Florida High Bush. Pur-			
ple, though not so deep			
as the New York Spine-			
less, which it resembles			
in shape. Productive,			
vigorous and can stand			
more cold than that			
variety	5340	60 2 00	7 00
Long Purple. Of distinct			
shape and fine quality.			
5350	60	2 00	
Round Purple. Good			
quality, fine shape and			
color; good for market.			
5360		60 2 00	

Improved New York Spineless Eggplant

All 15 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

FENNEL, FLORENCE or NAPLES

FENOUIL DE FLORENCE *Finocchio di Napoli*

CULTURE.—Sow in Spring, in rows 16 to 20 inches apart. Thin out so as to have the seedlings 5 or 6 inches apart and water as plentifully as possible. The plant is usually eaten boiled. In flavor resembling celery, but has a sweet taste and a more delicate odor. . . . 14180
Pkt. 10 cts, oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.

(See Also Herbs)

KALE or BORECOLE

CHOU VERT FRISE *Col*

CULTURE.—Cultivated and grown exactly like cabbage. Sow No. 5600 in August and September for early greens.

Curled Dwarf Green Scotch.	Oz.	¼ lb.	Lb.
Very dwarf and spreading; best strain; largely grown in the South, being sown in Au- gust and September.			
pkt. 10c...5600	\$0 30	\$0 85	\$3 00
Curled Siberian Thorburn Im- proved. Green curled; hardy.			
pkt. 5c...5630	20	60	2 00
Emerald Isle. Very fine.			
pkt. 5c...5635	20	60	2 00
Thousand-headed. For cattle.			
pkt. 5c...5640	20	60	2 00

CHOU-RAVE

KOHLRABI

Colinabo

CULTURE.—Sow in Spring, in rows 18 inches apart, afterward thinning the plants to 8 to 10 inches. If the weather is suitable the thinnings may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stems above ground are 2 or 3 inches through they are fit to eat, and should be used at once, being tough when old. Cook same as turnips.

Early White. Hand- some; very delicate in flavor.	Oz.	¼ lb.	Lb.
pkt. 10c...5800	\$0 25	\$0 75	\$2 50
Early White Vienna. Fine every way. For frames.			
pkt. 10c...5810	30	85	3 00

LEEK

POIREAU

Puerro

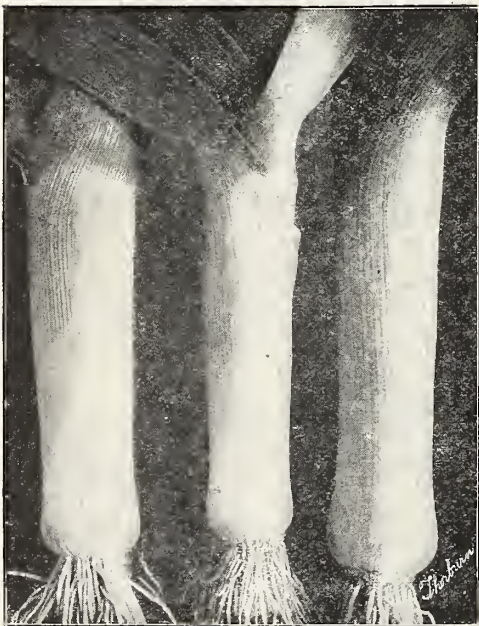
CULTURE.—Sow very early in spring in drills 6 inches apart and 1 inch deep. One ounce to 100 feet of drill. Thin out to 1 inch. When about 7 inches high, trans- plant in rows 12 inches apart, as deep as possible, but do not cover the young center leaves. Water thoroughly if dry when planted out. Draw earth up to them as they grow; rich soil is required. Take up and store in earth in a cool cellar before winter weather. The seeds may also be sown in September, and the young plants trans- planted in Spring to where they are to remain.

THORBURN'S BEST	Oz.	¼ lb.	Lb.
LARGE FLAG. Hardy and productive . . .	5910	\$0 35	\$1 00 \$3 50
Large Ronen. A standard sort; fine keeper . .	5920	35	1 00 3 50
Large Carentan. Distinct and dark-colored leaves; stout in habit and hardy	5940	35	1 00 3 50
Musselburgh. Similar to above	5950	35	1 00 3 50
Prizetaker. Very large.	5960	35	1 00 3 50
New Italian Giant. Large and fine quality . .	5970	35	1 00 3 50

All 10 cents per packet except where quoted otherwise



Early White Vienna Kohlrabi



Thorburn's Best Large Flag Leek



Thorburn's Big Boston Improved Lettuce

LETTUCE

LAITUE

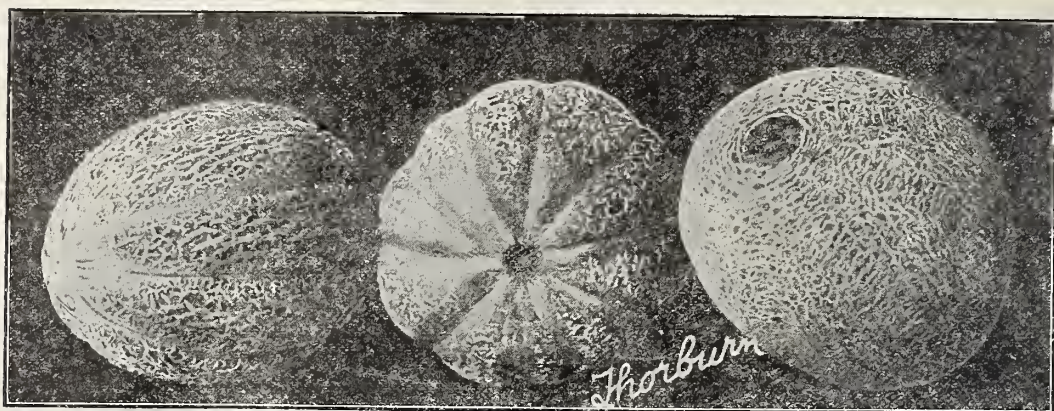
Lechuga

CULTURE.—Sow 6030, 6120, 6230, 6340 and 6350 in hotbeds in March, and these as well as all the other varieties, in the open ground as soon as it can be worked, and transplant to rows 8 inches apart. Sow in two weeks' time again for a succession; also Cos sorts. Latter part of August, sow any of the varieties. In October some of these may be planted in frames, to head in winter and early spring. Always sow thinly and thin out well, or the plants will not be strong. The last spring sowing had better be grown where sown, being thinned out to 6 to 8 inches apart. Cos Lettuce may be sown in a hotbed early in the year, and transplanted to a coldframe, so as to have good plants to set out at the opening of the ground. Lettuce requires good ground, enriched with thoroughly rotted manure, and well pulverized. The after culture should be close and careful, to secure the best results. Lettuce seldom, if ever, heads well in hot weather.

w. s. stands for white-seeded; b. s. stands for black-seeded

	Oz.	¼ lb.	Lb.
American Gathering. Twisted and curled leaves, fine early or late. <i>w. s.</i>			
6020	\$0 10	\$0 30	\$1 00
THORBURN'S BIG BOSTON IMPROVED. Fine for forcing in cold-frames or for open ground. <i>w. s. See Novelties</i>	6030	15	50 1 50
Buttercup. Yellow, solid, small heads; for forcing or outdoors. <i>w. s.</i>			
6040	15	35	1 25
Brown Dutch. Leaves tinged brown; large solid heads; very hardy.			
<i>b. s.</i>	6045	15	50 1 50
California Cream Butter. Very large, solid heads, inside very white.			
<i>b. s.</i>	6050	15	50 1 50
Crisp as Ice. Very large and solid, dark red Lettuce, crisp and tender; resists heat well	6060	15	50 1 50
Deacon. Large solid Summer Cabbage variety	6070	15	50 1 50
Denver Market. Very curly heads; good for forcing or outdoors.			
<i>w. s.</i>	6080	15	50 1 50

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MUSKMELON

(Cantaloup)

MELON MUSCADE

Melon Muscatel

CULTURE.—Select a light, rich, sandy soil, and, after all danger of frosts is over and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, six to twelve seeds to a hill. When up and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground, and pinch the ends of the growing shoots to induce early fruiting. Ashes, lime, or even dry roaddust, are excellent to sift over young plants when the dew is on, to prevent the attacks of insects. A few hills for early use may be had by sowing in hotbeds, on pieces of sod or in pots. The seed may also be started out-of-doors under hand-frames or glasses. It is quite important that proper soil be selected for growing Muskmelons.

SALMON AND YELLOW-FLESHED VARIETIES

	Oz.	¼ lb.	Lb.
Banquet. Beautifully netted, medium size; rich salmon flesh; fine quality	6790	\$0 15	\$0 35 \$1 25
Brockway's Sport. Slightly oblong, averaging 6 inches in diameter; flesh light red; very sweet; lightly ribbed and netted	7115	15	30 1 00
Burrell's Gem. Reddish orange flesh; fine-grained and spicy	6800	15	35 1 25
Davis White Seeded. Egg shaped, fair size, slightly netted; yellow flesh	6802	15	35 1 25
Defender. One of the very best yellow-fleshed sorts; medium size, oval in shape; flesh very firm and rich. Very vigorous and productive.	6804	15	35 1 25
Emerald Gem. Small; extra early; dark green skin, orange flesh; very sweet	6810	15	50 1 50
Long Yellow Cantaloup. Yellow flesh; late	6812	15	35 1 25
Osage. Cocoonut-shaped; yellow flesh; light green, netted skin.	6814	15	35 1 25
Paul Rose. Handsome oval variety; rich orange flesh; very sweet.	6820	15	35 1 25
Shumway Giant. Round; light green; flesh deep salmon; very late.	6824	15	30 1 00
Surprise. Oblong; rich orange flesh of fine quality; early	6830	15	30 1 00
Nutmeg Tip-Top. An improved strain; very sweet; salmon flesh.	6840	15	35 1 25
Thorburn's Orange Christiana. Fine orange sort. Round, very sweet and very early	6850	15	35 1 25
Yellow-meated Japan. Fine.	6860	15	35 1 25

GREEN-FLESHED MUSKMELONS

Baltimore Market. Oblong; green flesh of fine quality; intermediate.	6870	15	35 1 25
Bay View Hybrid. Prolific, very large, late; green flesh	6880	15	35 1 25
Hybrid Casaba. A vigorous grower and an enormous yielder; produces melons of large size and unsurpassed flavor; skin is green until fruits begin to ripen, when it turns to a light yellow; white flesh, rich and luscious and from 2 to 3 inches thick. Splendid for warm climates	6904	15	35 1 25
Champion Market. Large, slightly elongated; netted; flesh light green; early	6910	15	50 1 50
Eden Gem. The popular shipping melon at Rocky Ford. Flesh deep green, very solid and firm. Skin heavily netted	6914	15	35 1 25

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MUSKMELON—Continued

	Oz.	¼ lb.	Lb.
Egyptian Deity (Persian Delight). Round, flesh whitish green and surpassingly luscious in flavor, very juicy; rind thin and smooth, excellent for warm climatespkt. 10c... 6915	\$0 25	\$0 75	\$2 50
Gold-Lined Rocky Ford. Delicious, flesh thick, fine grained and sweet; color green, with a gold margin next to the seed-cavity; slightly oval and heavily netted 6916	20	60	2 00
Hackensack. Large, round and of good quality; a popular variety; early 6920	15	35	1 25
Hackensack Extra-Early. Ripens ten days earlier than the Hackensack 6930	15	35	1 25
HONEY DEW. New large, round, light-colored Melon, delicious, rich, green flesh .....pkt. 15c... 6935	30	1 00	3 00
Jenny Lind. Old favorite. Small; green-fleshed; very early; good quality 6940	15	35	1 25
Long Island Beauty. On style of Hackensack. The earliest and finest in quality, and the most beautiful of all Muskmelons 6950	20	60	2 00
Montreal Green. Large, round, netted; flesh thick and light green; late 6970	15	35	1 25
Netted Gem, Round. Very early; small and of fine flavor; green flesh. 6980	15	35	1 25
Netted Gem, Oblong. Same as above, save in shape 6990	15	35	1 25
Netted Rock. Produces Melons of uniform standard size, covered with a beautiful grey lace-like netting; flesh green, with delicate pink around the small seed cavity; sweet and superb flavor. 6995	15	35	1 25
Nutmeg. Sweet, green flesh; very early; named from its shape ... 7000	15	35	1 25
Rocky Ford. Improved Netted Gem; very sweet and fine flavored; oblong 7010	15	35	1 25
Skillman's Netted Gem. Oval-shape; early; sweet and highly perfumed 7030	15	50	1 75
Winter Pineapple. An extraordinary melon; can be kept in splendid condition for months after being pulled. For the South only. 7140	20	60	2 00
All 5 cents per packet except where quoted otherwise			

MISCELLANEOUS MUSKMELONS

Banana Citron. Cucumber-shaped; highly perfumed; late. pkt. 5c. 7110	20	60	2 00
Mango Melon, Vine Orange. Size, shape and color of an orange; fine for preserving or for pickling .....pkt. 5c. 7120	20	60	2 00
Pomegranate. Ornamental for perfume; late .....pkt. 5c. 7130	20	60	2 00
Vine Peach. Color of a peach, fine for preserving or for pickling. ....pkt. 5c. 7135	20	60	2 00

IMPORTED FRAME SORTS

For growing under glass, in packets only, 25 cts. each.

WATERMELON

MELON D'EAU Zandia

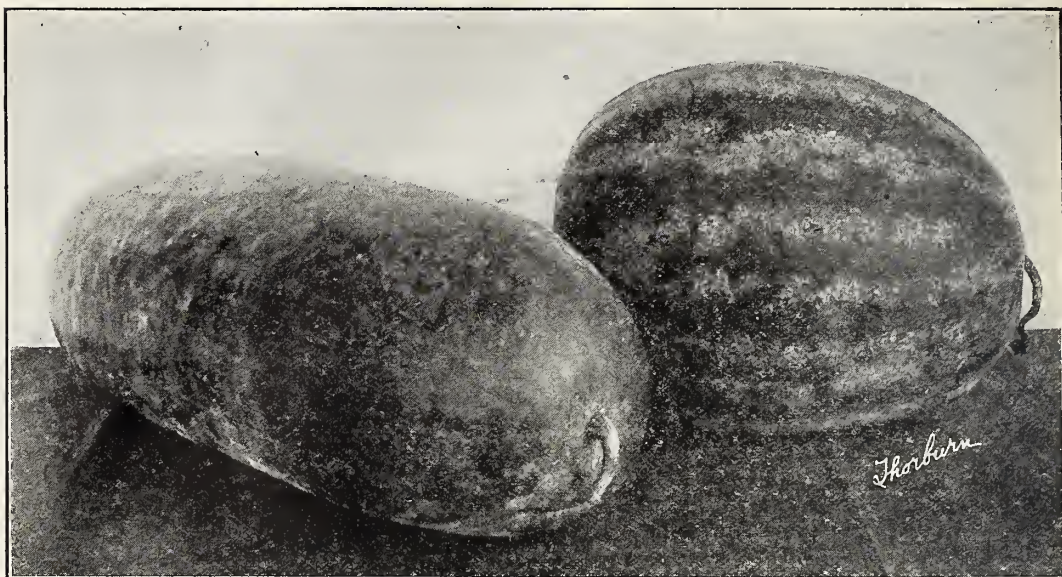
(Illustration on next page.)

CULTURE.—Treat the same as Muskmelons, except that they should be planted 8 to 10 feet apart, according to variety. Light soil is best.

	Oz.	¼ lb.	Lb.
Alabama Sweet. Dark green; tender red flesh; long. Fine shipper. 7410	\$0 10	\$0 25	\$0 75
Black Diamond. Dark green, tough skin; large size. Round ... 7430	10	25	75
Black Spanish. Roundish; nearly black; dark red flesh; early... 7440	10	25	75
Boss. Oblong; dark green; flesh deep scarlet; rind thin, intermediate. 7450	10	25	75
Blue Gem, or Iceberg. Bright red flesh; very sweet; fine shipper. Oval. 7460	10	25	75
Bradford. Long and of dark color, red flesh, sweet and tender ... 7480	10	25	75
Cole's Early. Medium size; red flesh; green skin. Oval 7490	10	25	75
Cuban Queen. Solid and heavy; skin marked regularly; excellent, early. Oval 7500	10	25	75
Dixie. Excellent quality; very large and solid; red flesh; intermediate. Long. 7510	10	30	1 00
Early Fordhook. Extra early; good size; green skin; red flesh. Oval. 7530	10	30	1 00
Florida Favorite. A superior strain; oblong; red flesh; intermediate. 7540	10	25	75
Gilbert's Success. Large size, medium early; flesh bright red, firm and sweet; good shipper 7545	10	25	75

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



Tom Watson and Cuban Queen Watermelons

WATERMELON—Continued

	Oz.	¼ lb.	Lb.
Halbert Honey. Dark, glossy green skin; flesh crimson, luscious and sweet. Strong, vigorous grower and free fruiter. Long. Fine for northern states .....7550	\$0 15	\$0 50	\$1 50
Hungarian Honey. A very early sort; fine for northern latitudes; perfectly round; brilliant red flesh .....7560	15	50	1 50
Ice Cream, White Seed (Peerless). Very early; red flesh. Oval.....7570	10	30	1 00
Icing, Dark. Solid; dark green skin; red flesh of superior quality; white seed; early; nearly round .....7580	10	25	75
Icing, Light. Round; pink flesh of fine quality .....7590	10	25	75
Jordan Gray Monarch. Largest grown; crimson flesh; late. Long.....7600	10	25	75
Jumbo. Deep red flesh of excellent flavor. Very large, almost globular in shape; striped light and dark green .....7606	10	25	75
Kleckley Sweets. Exceedingly sweet and fine flavored; dark green skin; thin rind; flesh scarlet, solid, and firm. Long .....7610	15	50	1 50
Kolb Gem. Large; good shipper; bright red flesh; intermediate. Oval.....7620	10	25	75
Mammoth Ironclad. Long; very large; late; red flesh; good shipper. ....7630	10	25	75
Mammoth Santiago. Light green skin, striped darker; deep blood-red flesh of sweet flavor; uniformly large and long; a good shipper. ....7640	10	30	1 00
McIver's Sugar. Oblong, handsome and very sweet .....7645	15	50	1 50
Mountain Sweet. Red flesh; late; dark green; long, tapers to stem end. ....7650	10	25	75
Phinney, Early. Oblong, fine quality, large solid; red flesh .....7660	10	30	1 00
Pride of Georgia. Round; large; crisp; bright red flesh; intermediate. ....7670	10	25	75
Rattlesnake. Southern. Oblong; dark and striped; bright red flesh; late .....7680	10	25	75
Seminole. Very large; quality first-rate; red flesh; intermediate. Oblong .....7690	10	25	75
Sugar Stick. Light green; oblong; luscious rich red flesh. Strong grower .....7700	10	25	75
Sweatheart, Oval. Very large, bright skin; fine quality .....7720	10	25	75
Tom Watson. Produces melons 16 to 22 inches long and 8 to 10 inches in diameter. The dark green rind is thin but tough; stands shipping well. The flesh is deep red, crisp and melting and of finest flavor. Long .....7724	10	30	1 00
Citron, Green Seed. Used for preserves. ....7750	10	25	75
Citron, Red Seed. Round and handsome; for preserving .....7760	10	25	75

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

MUSTARD

MOUTARDE

Mostaza

CULTURE.—Sow thickly during early spring in shallow drills, and press the earth well down. For fall salad, sow in September, or in frames or boxes during winter.

	Oz.	¼ lb.	Lb.
Black. These seeds form the mustard of commerce .....7800	\$0 10	\$0 20	\$0 50
Chinese Broad Leaved. Leaves of agreeable flavor when cooked like spinach .....7803	10	25	70
Fordhook Fancy. Very ornamental; plants of vigorous growth; leaves dark green, curved outwardly. If used as a vegetable, cook like spinach .....7810	10	20	50
Giant Southern Curled. Very large leaves .....7815	10	20	50
Ostrich-Plume. Leaves curled and frilled like an ostrich-plume ..7820	10	20	50
White London. Leaves used for salads while young; grows very rapidly. 7825	10	20	50

NASTURTIUM

CAPUCINE

Maraneula

CULTURE.—Sow as soon as all danger of frost is past, in drills about an inch deep. The tall kinds require fences or poles on which to climb. The seeds are used in flavoring pickles, or as a substitute for capers.

	Oz.	¼ lb.	Lb.
Tall Crimson .....7900	\$0 15	\$0 30	\$1 00
Tall Yellow .....7910	15	30	1 00
Tall Mixed .....7920	20	55	1 75
Dwarf Mixed .....7930	20	60	2 00

All 5 cents per packet

OKRA, or GUMBO

GOMBAUD

Quimbombo

CULTURE.—Sow late in the spring, after the ground has become warm, in drills 3 feet apart, where the plants are to remain. Thin out to from 9 to 12 inches. They should be well manured. They may also be raised in pots or a hotbed, and transplanted. For keeping, they should be picked while small and tender.

	Pkt.	Oz.	¼ lb.	Lb.
Long Green. Tall; very productive; moderately long green pods .....8020	\$0 05	\$0 10	\$0 20	\$0 60
White Velvet. Tender, long, white pods; smooth and velvety in appearance .....8030	05	10	20	60
Dwarf Green Prolific. Short, thick pods .....8040	05	10	20	60
Perkins' Mammoth. Fine strain; very long pods.....8050	05	10	20	60

ONION

OIGNON

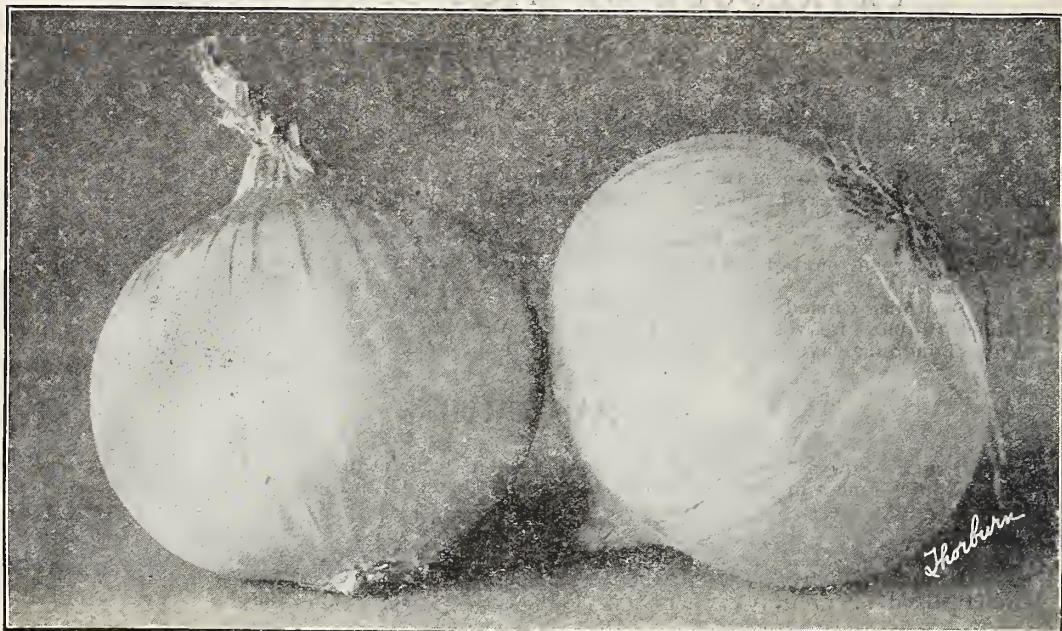
Cebolla

CULTURE.—Sow in rich, sandy soil, in drills 1 foot apart, as soon as the ground can be worked in spring—at the rate of 4 to 5 lbs. to the acre. Thin to 3 to 4 inches, using the rake and hoe frequently to keep down the weeds. The finest Onions are produced by the new method of sowing the seed in hotbed in February and March and transplanting the seedlings to the open ground.

	Oz.	¼ lb.	Lb.
White Early Barletta. A small white Italian sort, very early.....8320	\$0 60	\$2 00	\$6 00
“ Queen. Pure white; small, flat; extra early; fine for pickling. 8330	60	2 00	6 00
“ Very White Pearl. Extra-early; round; very white; fine flavor. 8334	60	2 00	6 00
“ Victoria, Italian. White and globular .....8350	60	2 00	6 00
“ Large Portugal. The standard large flat sort of the New York markets .....8360	60	2 00	6 00
“ Large Globe. (Southport Strain.) Very large and handsome. pkt. 15c...8370	70	2 25	7 00
“ Mammoth Garganus, or Silver King. Large silvery white, Italian. 8380	60	2 00	6 00
“ Paris Silverskin. .....8390	60	2 00	6 00
“ Bermuda (Teneriffe-grown) .....8400	60	2 00	6 00
“ Bermuda. (True Crystal Wax.) (Teneriffe-grown).pkt. 15c.8410	70	2 25	7 00
“ Tripoli (El Paso, or Mexican). Large white Italian variety.8420	60	2 00	6 00
“ Bunching, or Italian Silverskin. .....8430	60	2 00	6 00
“ Marvel of Pompeii. Small Italian sort, two weeks earlier than Barletta .....8440	60	2 00	6 00
Yellow Danvers. A standard sort; early and a good keeper.....8540	45	1 50	4 50
“ Globe Danvers. Of more globular shape; keeps well .....8550	50	1 75	5 00
“ Large Globe. (Southport Strain.) The finest large yellow.8560	50	1 75	5 00

All 10 cents per packet except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



Yellow Globe Danvers Onion (see page 37)

ONIONS—Continued		Oz.	¼ lb.	Lb.
Yellow Prizetaker. Immense size; globe shaped.....	8570	\$0 60	2 00	6 00
“ Strasburg, or Dutch. Fine keeper; flat; yellow skin; white flesh.	8580	45	1 50	4 50
Red Australian Brown. Medium size; hard; solid; very early ...	8700	45	1 50	4 50
“ Large Wethersfield. Half-early, and a good keeper; large size.	8720	45	1 50	4 50
“ Large Globe. (Southport strain.) The finest large red sort ..	8730	60	2 00	6 00
“ Early Flat.	8750	50	1 75	5 00
“ “ Red Globe	8760	35	1 00	3 50

All 10 cents per packet except where quoted otherwise

ONION SETS

Plant in drills about 12 inches apart and 4 inches in the rows. Give high culture.

Yellow Onion Sets	} PRICES ON APPLICATION
White Onion Sets	
Red Onion Sets	

PARSLEY

PERSIL *Perijil*

CULTURE.—Soak the seeds a few hours in lukewarm water, and sow early in spring and until the middle of July, in drills 1 foot apart. Have the soil thoroughly pulverized, and, after sowing the seed, pat it down lightly with the spade. Thin out the plants to 4 inches. To preserve in winter, transplant to a light cellar or coldframe. No. 8870 should be thinned out while young, and managed in after cultivation the same as carrots and parsnips. The roots are edible either raw or cooked.

	Oz.	¼ lb.	Lb.
Thorburn Extra Curled. Superior	\$0 15	\$0 35	\$1 25
Thorburn Champion Moss Curled. Pretty	15	35	1 25
Plain. The ordinary form	10	25	75
Hamburg, Thick-rooted	15	35	1 25

All 5 cents per packet

PARSNIP

PANAIIS *Chirijia*

CULTURE.—Sow as early in the spring as the ground can be worked, in rich soil, in drills 18 inches apart. The ground should be well and deeply dug. Thin to 6 or 8 inches in the rows. Hoe and cultivate often to keep down weeds.

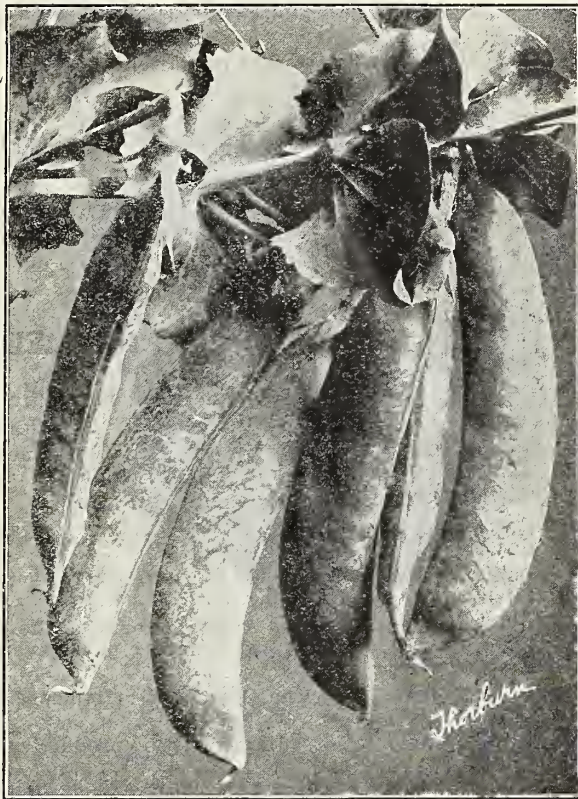
	Oz.	¼ lb.	Lb.
Thorburn Hollow Crown. A market-gardener's strain.. Pkt. 5 cts..	\$0 20	\$0 65	\$2 00
Early Round	20	65	2 00

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

PEAS

Pois *Chicharos o Guisanthes*

CULTURE.—A week may be gained in earliness by sowing a quantity in moist sand placed in a box in the cellar, and planting outside when well sprouted. Light, dry soil, not over rich, suits the Pea. Sow as early as the ground can be worked, and again every ten days for succession. Peas may be sown in this vicinity as late as the 20th of August. Medium and Late Peas must be planted early; Extra-Earlies may be planted again in August. Sow in single or double rows, from 4 to 6 feet apart according to the different heights, about an inch apart in the row (except such sorts as we note to sow thinly), and 4 inches deep; one quart to 100 feet of drill. In this climate, the O'Rourke Pea, if planted from the 10th to the last of August, will produce a fair crop for fall picking, when Peas will be most acceptable. Hoe often and keep the ground clean and fine. The tall sorts can be made to bear more freely by pinching in. The dwarf varieties may be grown in beds like bush beans with rows about the same distance apart. The holes which are sometimes found in Peas are caused by the Pea weevil (*Bruchus pisi*). The beetles lay their eggs on the young pods, and the larvae as soon as hatched, make their way through the pods and into the nearest Peas. If the new aphide attacks the Peas, spray the vines every day with clear water of the same temperature as the atmosphere.



Gradus

Those marked with a star (*) are wrinkled marrows, and, unless otherwise stated, should be sown thicker than the round Peas and not until the ground has become warm, as they are more liable to rot. They are the finest flavored of all Peas. Those marked thus (†) are large-podded sorts.

We supply packets of Peas at 15 cts. each, postpaid, except where quoted otherwise; other quantities NOT prepaid. Add postage at the zone rate of 1 lb. per pint, 2 lbs. per quart.

EXTRA-EARLY PEAS

	Height in feet	Per pint	Per quart
Thorburn Extra-Early Market. Our standard market-garden extra-early Pea; productive and profitable to grow. 8900	2½	\$0 35	\$0 60
Daniel O'Rourke, Improved. Extra early; favorite sort. 8910	2½	35	60
First-of-All. First-class selected strain of extra-earlies. 8920	2½	35	60
The Leader. "Round seeded Gradus." Long pods. 8925	3	35	60
Alaska. One of the very earliest blue Peas; quite productive 8930	2½	35	60
*†Thomas Laxton. A cross between Gradus and one of the extra-early sorts. Ripens within a day or two of the earliest round varieties; very productive. The pods are large and contain seven or eight large, wrinkled Peas of the finest flavor 8940	3	40	65
*†Gradus, also called Prosperity. One of the finest extra-early Peas. Ready to pick about four days after 8900. Pods very large, filled with large wrinkled Peas of finest quality 8950	3	40	65
Ameer (Claudit). Finest quality, exceedingly productive. 8970	2½	35	60
*American Wonder. Early and productive; fine quality. 8980	1	35	60
*English Wonder. Very prolific and early 8986	1½	35	60
*Sherwood. Pods large, deep green color 8988	1	35	60
*Sutton's Excelsior. As early as American Wonder, with much broader pods, filled with large Peas of finest flavor; very prolific 8990	1	40	65

PRICES FOR LARGER QUANTITIES
ON APPLICATION

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

PEAS—Continued

		Height Per in feet pint	Per quart
*Nott's Excelsior. Splendid early wrinkled sort; very prolific	9000	1	\$0 35
Premium Gem. Early, straight pods, well filled	9010	1	35
*Little Gem. Early; straight pods	9020	1½	35
*Little Marvel. A few days earlier than English Wonder and with larger pods. This variety is an improvement on English Wonder and in habit is very similar. Remarkably prolific	9030	2	35
*†Laxtonian. Very large, dark green, curved pods and Peas of finest flavor; great yielder; very early	9040	1½	40
*Richard Seddon. The best dwarf extra-early	9045	1½	35

EARLY AND MEDIUM PEAS

*Advancer. A fine standard sort of excellent quality ..	9130	2½	35	60
*Abundance. Long, round, well-filled pods. Sow thinly.	9160	1½	35	60
*Horsford's Market-Garden. On the style of Advancer; prolific	9170	2½	35	60
Everbearing. Long pods, large peas; sow thinly.....	9180	2½	35	60
†Pride of the Market. Very large pods; green Peas. Sow thinly	9190	2	35	60
*Champion of England. A well-known standard sort. Sow thickly	9200	5	35	60
*Dwarf Champion (Juno). A dwarf form of the popular Champion of England, with large pods; very productive; finest quality	9210	2	40	65
*†Duke of Albany (American Champion). Immense pods on style of Telephone; very superior	9220	5	35	60
Yorkshire Hero. A spreading variety, productive. Sow thinly	9300	2½	35	60

MAIN AND LATE-CROP PEAS

*†Admiral Dewey. Enormous pods; large wrinkled Peas of fine flavor; very productive	9400	3½	35	60
*†Stratagem. Very large pods; Peas of finest quality..	9420	1½	45	70
Potlatch. A large podded Pea; fine	9430	1½	45	70
†Telegraph. Large pods and Peas	9440	4	35	60
*†Telephone. Enormous pods and Peas of best quality.	9450	4	35	60
Boston Unrivalled. Large pod, prolific, suitable for light soil	9455	4½	35	60
QUITE CONTENT. The largest podded variety yet introduced. The pods mostly grow in pairs and well filled with large Peas of excellent flavor. It is exceedingly prolific; a stout, robust grower; height about 5 feet; has been pronounced by growers to be the finest second early Pea.	9456	5	45	70
Late White Marrowfat. Very hardy and prolific	9460	4	30	50
Late Black Eyed Marrowfat. Very hardy and prolific..	9470	3	30	50

SUGAR PEAS (Edible Pods)

Sugar Peas have edible pods which are eaten when young.

Mammoth Podded Sugar. Immense pods	9540	5	40	75
Mammoth Melting Sugar	9560	4	40	75
Luscious Sugar	9564	4	40	75

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

PRICES FOR LARGER QUANTITIES ON APPLICATION

PEPPER

PIMENT *Pimiento*

CULTURE.—Sow in hotbeds in March and, when the soil has become warm, set in rows 2 feet apart and 18 inches in the rows. Hoe frequently. The plants may also be forwarded in small pots.

Oz.

Bell, Large. Large; bright red; largely used for pickling. It is of such mild flavor that it may be eaten as a vegetable **9650** \$0 75

CHINESE GIANT. Very large; flesh very mild and thick; bright scarlet color **9660** 75

Cayenne Long Red. Slender pods, 3 in.; pungent. **9670** 75

Monstrous, Sweet. Very large and of mild flavor; for use when green. **9710** 75

Pimiento dulce (Perfection Sweet Pepper). A very sweet pepper, piquant flavor, not fiery, medium size, thick skinned and of brilliant scarlet **9725** 75

Red Chili. Productive; small; red and very pungent **9750** 75

RUBY GIANT. Large; desirable shape for stuffing. Mild and delicate **9764** \$0 75

Ruby King. Bright red; 4 to 6 inches long; mild; best for stuffing **9770** 75

Squash, Large. Productive; for pickles **9780** 75

Sweet Spanish. Large, mild; used for salad **9800** 75

THORBURN UPRIGHT SWEET SALAD. Finest of all. Handsome, productive and of finest quality; bright scarlet; flesh thick, mild and very sweet. The Peppers are as large as Ruby King, and are all borne upright, clear of the ground. The flesh is so thick and the skin so tender that it may be fried like a beefsteak, and so sweet that it may be eaten like an apple. **9840** 75

All 15 cents per packet



Chinese Giant Pepper

PUMPKIN

POTIRON

Calabaza

CULTURE.—May be planted middle of spring, among the Indian corn or in the field or garden, in hills 8 to 10 feet apart each way, four seeds in a hill. In other respects is cultivated in same manner as melons and cucumbers. Avoid planting near other vines.

	Oz.	¼ lb.	Lb.
Large Cheese. Flat; one of the best varieties for family use 10150	\$0 10	\$0 30	\$1 00
Large Cheese, Kentucky. Flat, fine for pies, etc. 10160	10	25	80
Early Sugar. Fine-grained, sweet and prolific; small; yellow ... 10170	10	20	60
Golden Oblong. Orange skin; light yellow flesh; fine quality; good keeper 10200	10	20	60
Cushaw Striped. A splendid striped crookneck variety 10220	10	25	80
Cushaw White, or Jonathan. A white crookneck variety of excellent quality; fine for pies 10224	10	25	80
Tennessee Sweet Potato. Bell-shaped; thick; white flesh; fine for pies. 10230	10	25	80
Calhoun. Very superior quality. Yellow flesh. Fine for pies ... 10240	10	25	80
Japanese Pie. Early; dark green; flesh yellow 10246	10	25	80
Mammoth King. Grows to an enormous size 10260	10	30	1 00
Mammoth Tours. A large French variety 10270	10	30	1 00
Quaker Pie. Very prolific and a good keeper; fine for pies 10280	10	25	80
Winter Luxury. A fine keeper and one of the best for pies. 10290	10	25	75
Connecticut Field. Grown in cornfields for stock 10300	10	25	75

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



Sir Walter Raleigh Potatoes

POTATOES, Grown Expressly for Seed (In Barrels)

POMME DE TERRE

Patalas

CULTURE.—Three to four barrels to the acre. In order to have the best success in growing Potatoes, it is necessary to plant as early as the ground can be made ready. Select a rich soil, and plant in rows 3 feet apart, and the sets 1 foot in the rows. If wood-ashes and plaster can be procured, sow a good dressing over the field after the Potatoes are up. If a very early crop is desired, it will be necessary to sprout the Potatoes before planting. Cut the Potatoes into pieces of any size desirable, and place in a warm, light room for four to six weeks before required for planting in the open ground. During this time shoots will start out strong and vigorous, so that, as soon as planted, they will send out roots and grow much more rapidly than those treated in the ordinary way. Another method is to place the sets in a hotbed two weeks before they are wanted and then lift carefully and set out on fresh horse dung, so that the heat will cause them to start at once. If the Colorado Potato beetle makes its appearance the vines must be dusted with paris green mixed with about 80 parts of plaster; or what is better, mix the paris green in water, one small tablespoonful to a pailful, and apply with a small brush or broom. Take care to stir the mixture often, or else the paris green will settle to the bottom. Two or three applications during the season will usually suffice to clean off all the beetles.

These are prices ruling January 1st; later on they may be higher and are subject to change without notice. We ship Potatoes entirely at Customer's risk.

EARLY POTATOES

	½ pk.	Pk.	½ bus.	Bus.	Bbl.
NOROTON BEAUTY. The finest and most productive extra early Potato grown. Handsomer in appearance and more uniform in shape than any other sort. Its table quality is superb. Original stock .....10400	\$1 00	\$1 75	\$3 00	\$5 00	
Thorburn's Beauty of Hebron. Slightly flesh-colored skin, with pure white flesh. Early, very productive and of the finest quality .....10420	80	1 25	2 00	3 50	8 00
Irish Cobbler. Fine white; vigorous grower .....10430	70	1 00	1 75	3 25	7 50
Bovee. Extra early; very productive; fine quality; flesh white .....10440	60	90	1 60	3 00	7 25
Early Rose. Popular market sort; very early; fine quality; very productive .....10460	60	90	1 60	3 00	7 25

INTERMEDIATE AND LATE POTATOES

Gold Coin. A splendid main-crop variety of remarkable productiveness and finest table quality; slightly oblong form, light golden skin; flesh pure white, fine-grained; cooks very dry10520	60	90	1 60	3 00	7 25
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We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound.

POTATOES, INTERMEDIATE AND LATE—Continued

	½ pk.	Pk.	½ bus.	Bus.	Bbl.
Carman No. 1. This most valuable Potato was introduced by us in 1894, and it is a recognized high-class standard sort the world over. The finest second-early Potato ever offered 10530	\$0 60	\$0 90	\$1 60	\$3 00	\$7 25
Dibble's Russet. Best main crop potato now in cultivation; round to oblong in shape; of good size; pure white flesh, russet skin, few and shallow eyes; excellent quality; very productive and a good market variety; vines rich dark green, very robust and extremely disease resistant 10535	70	1 00	1 75	3 25	7 50
Sir Walter Raleigh. Very productive; white flesh of best quality 10560	60	90	1 60	3 00	7 25
Rural New Yorker. An old standard Potato. Very few and shallow eyes; fine, pure white skin and flesh; immense yield; fine table quality, cooking very mealy .. 10580	70	1 00	1 75	3 25	7 50
Green Mountain. Oval shape, white skin and flesh; excellent; heavy yielder 10590	70	1 00	1 75	3 25	7 50

RADISH

RADIS ET RAVE

Rabanos y Rabanitos

CULTURE.—Sow as soon as the ground is dry in the spring in rows 8 to 12 inches apart, every week or ten days for a succession up to the middle of June after which they are but little used unless a cool northern spot can be had, where the ground is shaded during a part of the day. They should be sown in light rich soil, as a crisp Radish cannot be produced in heavy soils. Sow also in early fall for late crops and winter use. Sow 8 to 10 lbs. to the acre. Radishes should be eaten when quite small; it is a mistake to let them grow too long and too large. This applies particularly to the French Breakfast and small turnip-shaped sorts. Varieties marked with an asterisk (*) are best suited for market gardeners.

	Oz.	¼ lb.	Lb.
*Turnip, Early Scarlet. Very early. The French favorite 10680	\$0 20	\$0 50	\$1 75
“ “ “ Forcing. Crisp; very early 10690	20	60	2 00
* “ “ “ White-tipped. Very early; for frames or outdoors 10710	20	60	2 00
* “ “ “ Cooper's Sparkler. Carmine with white tip..... 10730	20	60	2 00
“ “ “ Deep Scarlet. Very early; crisp 10740	20	50	1 75

Turnip, Early

Deep Scarlet

Forcing. Ten-

der and crisp;

rich, deep scar-

let color.**10760**

20 60 2 00

*Turnip, Early

SCARLET

GLOBE-

SHAPED. Fine

for forcing or

open ground.

The Radishes

are almost

round, of a

beautiful rich

scarlet, very

tender and

crisp ...**10810**

20 60 2 00

Turnip, Early

Round White

Forcing. **10850**

20 60 2 00

Turnip, Early

Yellow. Extra

early ..**10890**

25 75 2 50

*French Break-

fast. Pink and

white; early.

11000

20 60 2 00



Scarlet Globe Shaped Turnip Radish

RADISH—Continued

	Oz.	¼ lb.	Lb.
*Olive-shaped White Foreing (White Rocket). A forcing strain of French Breakfast	\$0 20	\$0 50	\$1 75
Olive-shaped Deep Scarlet Forcing (Red Rocket). A forcing strain of above.	20	50	1 75
Olive-shaped Scarlet	20	60	2 00
Olive-shaped White Tipped (Rocket)	20	50	1 75
Half-Long Delicacy. Half-long, smooth, snow-white; fine forcer.	20	60	2 00
Half-Long White Forcing. Splendid pure white; fine forcer	20	50	1 75
*Long Scarlet Short Top. Very long, crisp; for frames or outdoors.	15	50	1 50
Long Brightest Scarlet or Cardinal White-tipped	20	50	1 75
Long White Naples, or Shepherd. Slender; for summer use.	20	60	2 00
*Long White Vienna, or Lady Finger. Crisp and tender in summer.	15	50	1 50
Long Icicle. Pure white, of fine flavor; suitable for forcing	20	60	2 00
Long Cincinnati Market. An improved strain of Long Scarlet.	15	50	1 50
Long Scarlet Chartier. Tipped white splendid summer variety	20	50	1 75
*Long Wood's Frame. Long, red, crisp and good forcer	15	50	1 50
Round Scarlet China. Fine for winter or summer. Matures in 6 to 8 weeks	20	50	1 75
*White Strasburg Summer. Very large; the German's favorite.	15	50	1 50
*Winter Scarlet Chinese. Oblong. Very handsome and distinct and keeps well	20	50	1 75
Winter Long Black Spanish. The popular winter sort.	15	50	1 50
Winter Half Long Black or Grey Spanish. Very fine strain	20	50	1 75
Oval Black Spanish. Shorter and more oval than the above.	20	50	1 75
Winter Round Coal-Black Spanish	Oz. ¼ lb. Lb.		
Fine for winter	\$0 25	\$0 75	\$2 50
Sakurajima (Mammoth Japan).			
The largest sort in cultivation.			
Sow early in rich soil. In Japan it grows as much as 21 inches long and 43 inches in circumference. Thin well to allow of proper development	15	50	1 50

All 5 cents per packet

RHUBARB

CULTURE.—Sow seed in a coldframe, in a fine, rich, sandy loam, about the first of march, in drills 4 inches apart. Keep the frames covered during the nights and cold days, so that the soil will not freeze, and in six to eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows 12 inches apart and 12 inches in the row. The following spring transplant again to a permanent location, setting 4 to 5 feet apart each way. In good soil, Rhubarb is ready to use the second year from seed. When roots are set out plant them 4 to 5 feet apart each way, and keep weeds down. If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the fall, the bed should have a thick dressing of coarse manure, to be spaded under in spring.

	Pkt.	Oz.	¼ lb.
Victoria	11640	\$0 05	\$0 25 \$0 90
ROOTS, of Victoria only.			
Strong	11700	30 cts. each.	\$3.00 per doz.

Transportation charges extra.

SALSIFY, or VEGETABLE OYSTER

00 S SALSIFIS Ostion Vegetal

CULTURE.—Sow as early as the ground can be worked in the spring, in drills 12 inches apart, 1 inch deep, and thin out to 6 inches in the row. Keep the plants free from weeds. Cultivate the same as carrots and parsnips. A part of the crop may be left in the ground till spring, when it will be found fresh and plump. The roots are cut into pieces ½ inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like parsnips, and have a sweet and agreeable flavor. Mashed and fried, the flavor is much like that of the oyster. Sow eight to ten pounds to the acre.

Mammoth Sandwich Island. Large. 11850. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.50.

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



Mammoth Sandwich Island Salsify

SORREL

OSEILLE

Acedera

CULTURE.—Sow in spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and needs to be taken up and divided only once in four or five years. To be cut and cooked precisely like spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

		Oz.	¼ lb.	Lb.
Garden, Large French	.....11930	\$0 30	\$0 85	\$3 00
" Belleville	.....11934	30	85	3 00
" Golden-leaved Lyons	.....11944	35	90	3 25
" Chambourcy. A new, large-leaved desirable sort.....	11960	30	85	3 00

All 10 cents per packet



Giant Lucullus Swiss Chard

SWISS CHARD, or
SILVER BEET

Silver Leaf. This is a Beet producing leaves only, of a quality superior to those of the ordinary Beet, and excellent as greens. Cultivate about the same as spinach, by sowing the seed in early spring in drills about a foot apart. As it grows, thin out for use, and keep clear of weeds if success is desired. Good cultivation will increase the delicacy and tenderness of the leaves. **1690.** Pkt. 5 cts., oz. 25 cts., ¼ lb., 75 cts., lb. \$2.50.

Giant Lucullus. Large, crinkled leaves; tender and of fine flavor; dark green; pure white ribs. **1700.** Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$3.00.

SPINACH

EPINARD

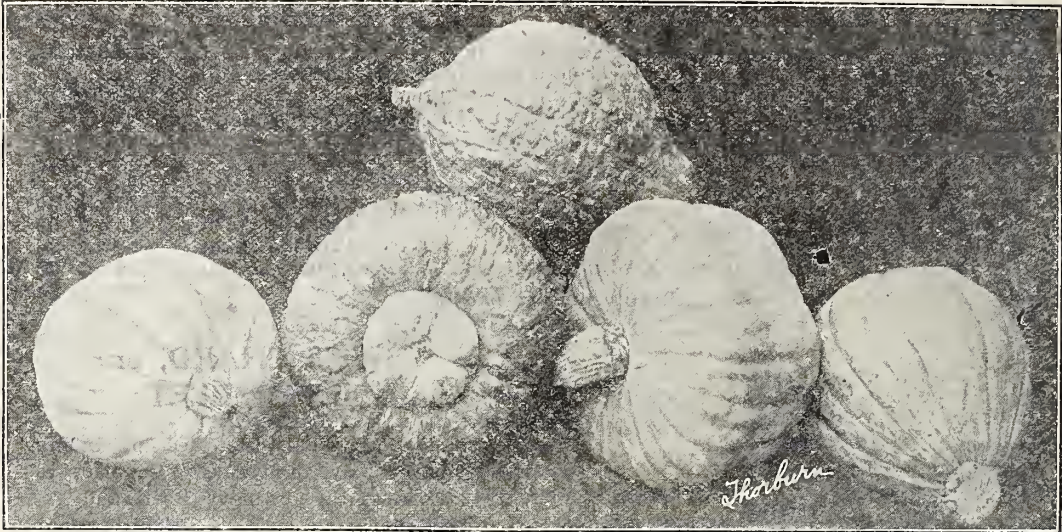
Espinaca

CULTURE.—Sow in early spring, in drills a foot apart (10 to 12 lbs. to the acre), every two weeks for a succession, and, as it grows, thin out for use. For fall use, sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills 2 feet apart each way, three or four seeds in a hill.

		Oz.	¼ lb.	Lb.
Round Viroflay (Thick-leaved). Has very large, thick, dark green leaves; the favorite market-gardeners' sort for fall or spring sowing	.....12000	\$0 20	\$0 65	\$2 25
Long Season, Thorburn's. Stands longer before running to seed than any other sort except New Zealand	.....12010	20	65	2 25
Round-leaved Flanders. A standard sort	.....12020	20	65	2 25
Lettuce-leaved. Popular French sort	.....12040	20	65	2 25
Curled-leaved Savoy, or Bloomsdale. Large curled and wrinkled leaves; tender and of finest flavor	.....12050	20	65	2 25
Long-standing (Round Thick-leaved). Dark green; leaves large and thick; very long-standing. Best for spring growing	.....12060	20	65	2 25
Victoria. Extra-dark, black-green color. Two or three weeks later than the ordinary "Long-standing." A fine variety for spring sowing	.....12070	20	65	2 25
Prickly, or Winter. Vigorous and hardy; recommended for fall sowing	.....12080	25	75	2 50
New Zealand Summer. Not a Spinach, but used as such. Grows 1½ feet high and is very prolific; does well in hot summer weather; valuable for hot climates. Soak the seed in hot water before sowing.	12120	25	75	2 50

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound



Various Squashes

SQUASH

COURGE Calabaza

CULTURE.—Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, the running kinds from 6 to 9 feet apart. Four ounces to 100 hills for bush varieties and eight ounces for running varieties.

BUSH VARIETIES

	Oz.	¼ lb.	Lb.
Early Golden Bush. Fine for summer; not so early as the White Bush.			
	12200	\$0 15	\$0 50 \$1 50
Golden Custard. Mammoth strain of the Golden Bush. A valuable variety; golden yellow flesh; fine quality	12210	15	50 1 50
Early White Scallop Bush. A good early shipping variety	12220	15	45 1 25
Mammoth White Scallop Bush (Silver Custard). Not so early as the former, but it produces larger fruits	12224	15	50 1 50
Long Island White Bush. An improved strain of Early White Scallop Bush; very prolific	12230	15	50 1 50
Fordhook, White Bush. Oblong fruits, smooth, thin yellow skin.	12234	15	50 1 50
Summer Crookneck. Yellow fruit; distinct, best for summer	12270	15	50 1 50
Cocozell Bush. (True Italian Vegetable Marrow.) A fine variety; oblong shape; skin smooth, dark green, marbled yellow or pale green.	12300	20	60 2 00

RUNNING VARIETIES

Bay State. Hard, blue shell; for fall or winter	12400	10	30 1 00
Boston Marrow. Oval; bright orange; flesh yellow and fine	12410	15	45 1 25
Cocoanut. A beautiful little Winter-Squash, the size of a cocoanut, cream-colored; fine quality; prolific	12420	15	50 1 50
Delicata. Orange-yellow, striped green; small size, but very prolific; it is extra early, solid and a good keeper; flesh dry and of fine quality	12440	15	45 1 25
Delicious. Green skin; orange flesh, fine-grained, sweet and dry	12450	15	45 1 25
Essex Hybrid. A good fall and winter sort; fine-grained; rich flavor; very prolific	12460	15	45 1 25
Fordhook Running. One of the best winter sorts; fine quality	12470	15	45 1 25
Hubbard. Well known and liked for late use; an excellent sort for pies	12500	15	50 1 50
Golden or Red. Same as above, but with orange-red skin.	12510	15	50 1 50
Mammoth Warted. Immense size, covered with warts	12530	10	30 1 00
Mammoth Chili. Rich orange flesh; grows to an enormous size	12540	15	45 1 25
Marblehead. Gray skin; very productive; fine keeper	12560	10	30 1 00
Orange Marrow. Quite distinct; very early, and of most delicate flavor; suitable for fall and winter	12570	10	30 1 00

All 5 cents per packet

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VEGETABLE MARROW

			Oz.	¼ lb.	Lb.
English.	True strain; cream color	Pkt. 10 cts...	12680	\$0 30	
"	" " White	Pkt. 10 cts...	12685	30	
"	" " Green	Pkt. 10 cts...	12690	30	
Italian	(Cocozelle di Napoli). Grows about 20 inches long, with a diameter of 3 or 4 inches. Skin smooth, dark green, marbled yellow or pale green. In Italy it is eaten when quite young.				
		pkt. 5 cts...	12700	20 \$0 60	\$2 00



TOMATO

TOMATO

Tomato

CULTURE.—Sow in a hotbed in early spring, or the seed may be sown in shallow boxes and placed in a window when one does not wish to have the trouble of making a hotbed. Transplant to the open ground when all danger of frost is past, setting the plants 3 to 4 feet apart each way. Fruit may be had several weeks earlier by sowing seed quite early and transplanting into small pots. Tomatoes that have not ripened at the end of the season may be taken from the vines and placed in empty coldframes, or wrapped in tissue paper, and carefully packed in flat boxes—where a large proportion of them will ripen from time to time, frequently until Christmas.

The varieties marked * are best for forcing

	Oz.	¼ lb.	Lb.
Acme. Medium size; smooth and good; crimson	12740	\$0 35	\$1 00 \$3 50
*Atlantic Prize. Extra early; smooth; medium scarlet; good size.	12750	35	1 00 3 50
Beauty. Large, smooth, dark crimson; thick flesh; regular form.	12770	35	1 00 3 50
Bonny Best. Very early; scarlet; medium to full market size; even, smooth and regular; valuable for home garden or market.	12775	40	1 00 3 75
Buckeye State. Very large and productive; crimson; smooth, uniform, good quality	12780	35	1 00 3 50
*Carter's Sunrise. Early and productive; medium-sized, bright scarlet fruits; smooth and solid. For forcing or for outdoors.	12794	40	1 25 4 00
Chalk's Early Jewel. Fine, large, solid, smooth, scarlet; similar to Stone; early	12800	40	1 00 3 75
Coreless, Livingston's. Almost round; bright red; very productive. Ripens all over at once and being almost free from green core it is an exceptionally fine slicing sort	12810	35	1 00 3 50
Crimson Cushion. Extra large; handsome; bright crimson	12830	40	1 00 3 75
Cluster, Thorburn's Improved. Bright scarlet; grows in bunches like grapes	12835	35	1 00 3 50
Dwarf Champion. Quite distinct; early; fruit like the Acme; crimson; of medium size; good quality	12840	35	1 00 3 50
Dwarf Giant. Largest-fruited of all dwarf sorts; crimson; firm flesh of delicious flavor. Compact and vigorous grower	12844	35	1 00 3 50
*Earliana. Extra early; cardinal-scarlet; smooth	12850	35	1 00 3 50
Favorite. Large, smooth, productive and good shipper	12900	35	1 00 3 50
*Frogmore Selected. Medium size; bright, deep red; smooth; very solid and fine-flavored. An excellent sort for forcing under glass.	12920	30	85 3 00

All 10 cents per packet except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

TOMATOES—Continued

	Oz.	¼ lb.	Lb.
Freedom. Early; regular and uniform; bright scarlet .....12930	40	1 00	3 75
Globe, Livingston's. Very early; crimson; smooth and of large size; very productive and a good keeper. A standard variety which retains its popularity. ....12940	40	1 00	3 75
Golden Queen. Smooth; golden yellow; about size and form of Beauty; of good flavor and solid .....12950	35	1 00	3 50
June Pink. A very early market sort; crimson; smooth; medium size. ....12980	40	1 00	3 75
Lorillard. Bright glossy red; smooth; of fine flavor and very early. Very productive and satisfactory .....13000	35	1 00	3 50
Matchless. Extra large, smooth and handsome; scarlet; very solid. Plant of vigorous growth and prolific .....13030	40	1 00	3 75
Michigan Early. Large, scarlet; smooth and solid .....13035	35	1 00	3 50
Mikado. Crimson; large, smooth and solid .....13040	40	1 25	4 00



Noroton Forcing. Bright crimson; solid; very prolific; of uniform size, averaging about six to a pound. Valuable forcer.

13045 35 1 00 3 50

Optimus. Medium size; cardinal-scarlet; smooth and solid; second-early.

13050 35 1 00 3 50

Paragon. Cardinal-scarlet; round; very productive.

13060 35 1 00 3 50

Perfection. Early, regular and productive; scarlet.

13070 35 1 00 3 50

50 1 50 5 00

Ponderosa. The largest variety in cultivation; crimson. pkt. 15c. ....13080			
RED ROCK. An improvement on the well-known Stone. Exceedingly firm-fleshed; very large size, and ripens evenly without cracking. The vine is a strong, vigorous grower and produces its fruit in great profusion .....13084	40	1 00	3 75
Ruby Early. Very early; large size; color bright scarlet .....13110	40	1 00	3 75
Stone, Thorburn's. Very large, perfectly smooth; fine dark scarlet. ....13130	40	1 00	3 75
Stone Dwarf. In fruit resembling Dwarf Champion, but with much larger fruit. Color bright scarlet, perfect shape, very solid; of the best quality .....13140	40	1 00	3 75
Success. Large; bright scarlet; smooth and solid; productive. Plant strong and thrifty in growth .....13150	40	1 00	3 75
Thorburn's Long-Keeper. Bright red; early and productive; fine keeper. ....13194	40	1 00	3 75
Trophy. Very solid; standard late; fine canner; dark scarlet. A particularly vigorous and thrifty grower .....13200	40	1 00	3 75
Trucker's Favorite. Crimson, large, smooth and very regular in form; solid .....13210	40	1 00	3 75

SMALL-FRUITED TOMATOES

For pickling and preserving. Also invaluable for garnishing

Red Cherry. Small fruits, used for pickles; very handsome. ....13300	40	1 25	4 00
" Currant. Resembles the currant Useful for preserves, pickles and exhibition purposes .....13310	40	1 25	4 00

All 10 cents per packet, except where quoted otherwise

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

TOMATOES—Continued

	Oz.	¼ lb.	Lb.
Red Peach. Resembling a peach; for preserves, pickles and exhibition. 13320	\$0 40	\$1 25	\$4 00
“ Pear. Fruit handsome and solid; fine for preserves 13330	40	1 25	4 00
“ Plum. Bright red; round; regular; for pickles 13340	40	1 25	4 00
Strawberry (Winter Cherry or Husk Tomato). Yellow. Makes fine sauce 13350	40	1 25	4 00
Yellow Cherry. For Pickles and preserves 13360	40	1 25	4 00
“ Peach. Beautiful clear yellow; perfectly resembles a peach. 13370	40	1 25	4 00
“ Pear. Handsome, yellow, pear-shaped fruits 13380	40	1 25	4 00
“ Plum. Round and regular; bright yellow; used for pickles. 13390	40	1 25	4 00

All 10 cents per packet, except where quoted otherwise

TURNIP

NAVET *Nabo*

CULTURE.—For early Turnips, sow as soon as the ground opens in spring. Nos. 13845 to 13930 should be sown from any time in July to first of August; but the other kinds, for winter use, may be sown from the middle of July to the end of August. Turnips are generally sown broadcast but much larger crops are obtained (particularly of the Rutabagas) by cultivating in drills 18 inches apart, and thinning to 6 inches in the drill. Sow in drills, one pound to the acre; broadcast, two to three pounds to the acre.

WHITE VARIETIES

Cow Horn. Long, white, in shape resembling a cow's horn, **13500**, oz. 20c., ¼ lb., 60c., lb. \$2.00.

Early Snowball. Small, and of rapid growth; pure white, **13510**, oz. 25c., ¼ lb. 75c., lb. \$2.50.

Globe-shaped Red-top. A standard sort in the New York market. **13530**, oz. 25c., ¼ lb. 75c., lb. \$2.50.

Globe Pomeranian White. Good either for table or stock. **13540**

Jersey Lily (White Model). Snow-white; globular. **13570**

Kashmyr Scarlet. Bright, handsome color; small; flat; extra early; pure white flesh of finest quality **13580**

Milan, Early Purple-Crown. Earliest of all; white, with purple top. Flesh of fine quality and tender **13590**

Milan, Early Pure White. Very handsome; pure white; crisp and tender; as early as above **13600**

Strap-Leaf, White. A good early, white flat sort **13640**

Strap-Leaf Red-Top. The popular fall flat sort **13650**

White Egg. Oval; handsome and sweet **13680**



Early Snowball Turnip

	Oz.	¼ lb.	Lb.
Globe Pomeranian White. Good either for table or stock. 13540	\$0 20	\$0 60	\$2 00
Jersey Lily (White Model). Snow-white; globular. 13570	25	75	2 50
Kashmyr Scarlet. Bright, handsome color; small; flat; extra early; pure white flesh of finest quality 13580	20	60	2 00
Milan, Early Purple-Crown. Earliest of all; white, with purple top. Flesh of fine quality and tender 13590	25	75	2 50
Milan, Early Pure White. Very handsome; pure white; crisp and tender; as early as above 13600	25	75	2 50
Strap-Leaf, White. A good early, white flat sort 13640	25	75	2 50
Strap-Leaf Red-Top. The popular fall flat sort 13650	25	75	2 50
White Egg. Oval; handsome and sweet 13680	20	60	2 00

YELLOW VARIETIES

Aberdeen Yellow. Hardy, productive and a good keeper **13750**

Amber Globe. Fine, sweet, light yellow sort **13755**

Golden Ball. Very handsome; keeps fairly well **13780**

Prince Engalitscheff. Early, scarlet striped yellow, flat. **13820**

pkt. 10 cts. **13820**

All 5 cents per packet

We pay postage or express charges on all garden seeds bought by the packet, ounce or quarter-pound

TURNIPS—Continued

RUTABAGA

Bangholm. Extra selected. Small neck; yellow flesh; dark purple top.	Oz.	¼ lb.	Lb.
13845	\$0 25	\$0 75	\$2 50
Budlong White Rock. Very early, round and white	20	65	2 25
Thorburn's Family. For family use	25	75	2 50
Champion Purple Top. Very large	20	60	2 00
White Rutabaga (American grown)	25	75	2 50
Yellow Perfection. Extra fine	20	65	2 25

All 5 cents per packet



Peppermint

Lavender

Sweet Fennel

Sage

Summer Savory

Seeds of Pot, Sweet and Medicinal Herbs

	Pkt.	Oz.	Lb.
Angelica, Garden. For flavoring wines and cakes	Archangelica officinalis.14010	\$0 10	\$0 25
Anise. Seeds aromatic and carminative	Pimpinella anisum .14020	10	30
Balm. For culinary purposes	Melissa officinalis .14040	10	40
Basil, Sweet. Culinary herb used for flavoring soups, etc.	Ocimum Basilicum .14050	10	30
Basil, Dwarf or Bush. Culinary herb	Ocimum minimum .14060	10	35
Borage. Leaves used as a salad	Borago officinalis .240	10	25 \$2 00
Caraway. For sowing. Used in flavoring liquors and bread	Carum Carui .14100	10	20 1 25
Coriander. Seeds aromatic. For sowing	Coriandrum sativum .14130	05	10 50
Fennel, Sweet. Seeds aromatic; for flavoring	Anethum Feniculum .14170	10	
Florence. In flavor resembling celery	Anethum Feniculum .14180	10	20 2 00
Horehound. Has medicinal qualities	Marrubium vulgare .14230	10	50
Hyssop. Has medicinal qualities	Hyssopus officinalis .14240	10	40
Lavender. True. For oil and distilled water	Lavandula vera .14250	15	75
Possessing qualities as above in a lesser degree	Lavandula spica .14260	10	50
Marjoram, Sweet. Is used in seasoning	Origanum Majorana .14290	10	60
Mint. Peppermint	Mentha piperita .14310	25	
Pennyroyal. Has medicinal qualities	Hedeoma pulegioides .14320	25	1 00
Sage, Broad-Leaf. A culinary herb; also used in medicine	Salvia officinalis .14360	10	50 4 00
Red. Used as a culinary herb; also in medicine	Salvia Horminum .14370	10	20 1 50
Purple. Used as a culinary herb; also in medicine	Salvia Horminum .14380	10	20 1 25
Savory, Summer. Is used as a culinary herb	Satureja hortensis .14390		Crop failed
Winter. Is used as a culinary herb	Satureja montana .14400		Crop failed
Tansy. Generally used in bitters	Tanacetum vulgare .14410	10	
Tarragon. True. Does not produce seed. Roots in fall and spring. 35c. each, \$3.50 per doz.	Artemisia Dracunculus.14420		
Thyme, French.	Thymus vulgaris .14440	10	50
Wormwood. Has medicinal qualities	Artemisia absinthium .14460	10	50 4 00

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TOBACCO SEED

	Doz.	Lb.
Climax. A cross between Burley and Sterling; fine bright variety 14610	\$0 40	\$4 00
Connecticut Seed Leaf. The popular sort, used for cigar wrappers 14620	40	4 00
Conqueror. Superb bright yellow 14622	40	4 00
Gold Finder. A cross between Yellow Oronoka and White Burley 14626	40	4 00
Gooch, Long-Leaf, Improved. Fine for sandy soils 14628	40	4 00
Havana. Seed gathered for us from the celebrated plantations of the "Vuelto de Abajo" 14630	55	5 50
Hester Improved. Yellow; fine for cigars. Adapted to a greater variety of soils and to a wider range of latitude than most other yellow sorts 14634	40	4 00
Hycos. Fine yellow variety; easiest of all cured 14644	40	4 00
Kentucky Yellow. Leaf of large size, handsome shape, excellent quality and of surprisingly fine texture, taking size into consideration. 14650	40	4 00
Oronoka White-Stem. Plants are large, with long, medium-broad leaves of handsome shape, fine texture and good body 14662	40	4 00
" Yellow. A reliable old yellow variety 14664	40	4 00
" Sweet. Plants of medium size; leaf is long and somewhat narrow, fine-grained and of sweet flavor 14668	40	4 00
Pennsylvania Seed Leaf. A first-class standard cigar variety 14670	40	4 00
Persian Rose. Fine, may be relied upon to make fine cigars 14680	40	4 00
Pryor, Blue. The genuine James River favorite 14690	40	4 00
" Yellow. Preferred by many for brights; succeeds where the other yellow sorts fail 14700	40	4 00
Safrano. Rich saffron-yellow color; soft silky texture and fine flavor. 14710	40	4 00
Sterling. The newest and brightest of the yellow type, and the earliest to ripen 14720	40	4 00
Sumatra. Home-grown; well-known sort; needs no description. Expected 14724		
Turkish. Home-grown. Needs no description. Expected 14734		
Tuckahoe. Extra fine, long leaf; fine for wrappers 14730	40	4 00
Virginia Oak Hill Yellow. Resembles White Burley in color and Oronoka in shape and habit. Unsurpassed in delicacy of fiber 14740	40	4 00
White Burley, Improved. Leaf is large and broad, with yellowish white stem and ribs 14756	40	4 00
Yellow Mammoth. Large yielder 14760	40	4 00

All 10 cents per packet. Not less than 10 cents' worth sold

BIRD SEED, ETC.

Prices of Bird Seed fluctuate considerably throughout the year. The prices now quoted are those ruling as we go to press, and may be higher or lower as the season advances. Bags and transportation charges extra.

	Lb.		Lb.
Canary Seed, Plain. Best grade	\$0 20	Millet, Golden	\$0 12
Canary Seed, Mixed. Best grade	20	Rape, English	20
Hemp	20	" German	18
Sorghum Mixed (Kaffir Corn). For pigeons, etc. 25 lbs. \$2.50, 50 lbs. \$4.50	12	Gravel for Cages	per qt., 6 cts.
Lettuce Seed	30	Cuttlefish Bone	60
		Sunflower Seed for Parrots	12

VEGETABLE PLANTS

We shall have some of the standard sorts at their proper seasons

ESCULENT PLANTS AND ROOTS

	Doz.	100	1000
Artichoke Roots, Jerusalem	per qt., 25c., per bushel	\$4.00	
Asparagus Roots. Plant either in fall or spring.			
Colossal. Two years old; in bundles of 50	50 for 60 cts.	\$1 00	\$8 00
" Three years old	50 for \$1.00	1 50	
" Four years old; for forcing	50 for 1.25	2 00	
Giant Argenteuil. Two years old	50 for 60 cts.	1 25	10 00
Palmetto. Two years old; in bundles of 50	50 for 60 cts.	1 00	8 00
Columbian Mammoth. Two years old	50 for 60 cts.	1 00	8 00
Barr's Mammoth. Two years old	50 for 60 cts.	1 00	8 00
Chicory (Witloof, French Endive). Fine strong roots for forcing. See page 27.		3.50	
Chive Plants. Plant early in spring	per bunch, 25 cts.		
Horse-Radish Roots. Cut in pieces. Plant in spring	20	75	7 00
" " "Maliner Kren." In bundles of 50	50 for 60 cts.	1 00	8 00
Rhubarb Roots. Strong	each, 30 cts.	3 00	
Tarragon Plants. (Estragon)	each, 35 cts.	3 50	

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Lawns like this can be produced by sowing Thorburn's Lawn Grass Seed

About Lawns and Lawn Grass Seed

FORMATION OF LAWNS FROM SEED

There is nothing more attractive than a well-kept lawn.

Many things are to be considered in connection with the making and proper care of lawns. A good lawn cannot be made in one season, success coming only through intelligent care for a period of years.

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. *After sowing, the ground should be rolled and cross-rolled in order to press the seed firmly into the soil,* and ten days or so thereafter a light application of Thorburn's Lawn Fertilizer, mixed with an equal quantity of good loam or sand, will serve to stimulate the growth of the young grasses. The proper time to sow grass seed depends, of course, upon the latitude. In the central and eastern states from March 15 to the middle of May is the best time; but in favorable seasons the sowing may be done up to July 1. Seed may also be sown in the Fall, from the latter part of August to the end of September. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly-made lawns, it may not be generally known that many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as crab grass or Summer grass, must be pulled up by the roots before they ripen their seed in the Fall.

Rolling.—As soon as the frost is out of the ground in the Spring, the land should be gone over with a heavy roller. Winter frosts loosen the soil, and rolling is necessary to compress it again. Roll frequently.

Mowing.—All turf-forming grasses are improved, both in vigor of root-growth and in fineness of texture, by frequent mowings. It is impossible to say just how often the grass should be mown, as that depends upon the rate at which it grows. Too close cutting should be guarded against, however, especially during the hot Summer months, when the roots require some top-growth to protect them from the burning sun. A good top growth is also necessary to protect the roots from severe Winter frosts.

To Grass a Bank or a Terrace.—For each square rod, take a pound of Terrace Lawn Grass Seed and mix it thoroughly with 6 cubic feet of good, dry garden loam; place in a tub, and add liquid manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied, making it as even and thin as possible.

It is a good plan to sow on good land, in any out-of-the-way place, strips for sod to be used for patching poor parts of the lawn, or for grass borders, etc. The best mixture of seed for this purpose is *Cynosurus cristatus* (Crested Dog's-tail), Kentucky Blue Grass and Fancy Red Top.



This Lawn was sown with Thorburn's Lawn Grass Seed Mixture for Shady Spots

Lawn Grass Seed Mixtures

Prices of all Lawn Grasses include free delivery in the United States by mail, express, or freight, at our option

THE THORBURN LAWN GRASS SEED

Many of the finest lawns in America were produced from this mixture. It is composed exclusively of permanent grasses that will make a finer and thicker turf the older they become, and yet give a rich greensward in three or four weeks from the time of sowing. Sow at the rate of four bushels to the acre (per bushel of 20 lbs.) One quart of our Lawn Grass Seed will sow a plot 15x20 feet, or 300 square feet.

Pt.	\$0 20	2 qts.	\$0 60	Pk.	\$1 75
Qt.	35	½ pk.	1 00	Bus.	6 00

Thorburn's Lawn Grass Seed for the South

A mixture of grasses that stand extremes of heat and drought well, will grow and thrive vigorously under these conditions and are therefore peculiarly adapted for Southern lawns.

Qt.	\$0 40	½ pk.	\$1 25
2 Qts.	70	Pk.	2 00
Bushel of 20 pounds	7 50		

Thorburn's Lawn-Restoring Grass Seed

A mixture of grasses peculiarly suited to take firm hold and grow quickly on hard, worn-out or burned spots. The best time to re-sow such places is very early in the Spring; but seed may also be sown with good results in the Fall from the first of September to the first of October. Some Lawn-restoring Grass Seed should also be sown before every Summer rain on thin places.

Qt.	\$0 40	½ pk.	\$1 25
2 qts.	70	Pk.	2 15
Bushel of 20 pounds	8 00		

Thorburn's Grass Mixture for Under Trees and Shady Spots on Lawns

A mixture of grasses that thrive in shaded situations, under trees or close to walls.

Qt.	\$0 40	½ pk.	\$1 25
2 qts.	75	Pk.	2 15
Bushel of 22 pounds	8 00		

Thorburn's Lawn Grass Mixture for the Seashore

A mixture of fine grasses peculiarly suited to seaside lawns.

Qt.	\$0 35	½ pk.	\$1 00
2 qts.	60	Pk.	1 75
Bushel of 18 pounds	6 00		

Terrace Lawn Grass Seed

A mixture of fine, stoloniferous grasses peculiarly adapted to terraces.

Qt.	\$0 40	½ pk.	\$1 25
2 qts.	70	Pk.	2 00
Bushel of 20 pounds	7 00		



Photo of part of Wee-Burn Golf Course made from seed supplied by us

Permanent Grass Seed for Golf-Links, Tennis-Courts, Polo-Grounds, etc.

We have devoted much attention to the seeding and preservation of golf-links, tennis-courts and polo-grounds, and offer the following mixtures, *which have been used on many of the finest links, etc., in the country*, with very satisfactory results.

Polo-Grounds Mixture

A mixture of fine leaved and deep-rooting grasses forming a strong and lasting turf that will stand hard usage. Per bushel of 20 pounds, \$5.00.

Tennis-Court Mixture

A mixture of extra-fine grasses peculiarly adapted to tennis-courts. This mixture will make a firm, green and lasting turf of the finest texture, that will improve with the trampling it receives.

Qt.	\$0 40	1/2 pk.	\$1 25
2 qts.	70	Pk.	2 00
Bushel of 20 pounds	7 00		

GOLF LINKS

Fair-Green Mixture

For the grounds in general. Per bushel of 20 pounds, \$5.00.

Putting-Green Mixture

Our own special formula as furnished all the leading golf clubs in America. A mixture of extra-fine *highest-grade* grasses, that will make a close, firm, green and lasting turf, which will improve with trampling.

Qt.	\$0 40	1/2 pk.	\$1 25
2 qts.	75	Pk.	2 15
Bushel of 24 pounds	8 00		

Grass Mixture for Railroad Banks, Etc.

A mixture of grasses with long, interlacing, matting roots that will bind steep embankments, gravelly or sandy slopes, etc., preventing washouts by rainstorms and covering with permanently green turf.

Qt.	\$0 35	1/2 pk.	\$0 85
2 qts.	60	Pk.	1 50
Bushel of 18 pounds			5 50

Grass Seed Mixtures for Meadows and Pastures

It is a well-ascertained fact that a thicker and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. For every different kind and condition of soil there are grasses that are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of Spring until Winter sets in there is no time when one species or another is not at its best. Grass seed may be sown either early in Spring or in Fall from the first of September to the middle of October; in this latitude the best time to sow meadow grass seed is during the late Summer and early Fall, that being the natural seeding time for grass. This will, of course, not give very much of a crop the following year; the grass will be fine and thick, but rather short, and not a heavy yield. The best meadows are seeded alone, without any "nurse" crop, while if seeded with Rye, that crop being the stronger and quicker grower will monopolize the ground so that it will be another year before much of a crop of grass can be had.

For over a hundred years our house has made a specialty of grasses. We were probably the first to introduce to this country, for commercial distribution, the many valuable natural and cultivated foreign species that now take such an important part in our agricultural economy. The formation of permanent pastures and meadows has, for many years, been a subject of careful study with us, and the following formulæ for seeding grass-lands have received universal recognition. *The quantities given are the minimum, and may often be increased to advantage.*

MEADOW MIXTURES FOR ONE ACRE

No. 1. On Good Land, neither Too Dry nor Too Wet.

8 lbs. Fancy Red-Top.
 $\frac{1}{2}$ " Perennial Sweet Vernal.
 2 " Chewing's Fescue.
 10 " Perennial Rye Grass.
 17 " Timothy.
 2 " Red Clover.
 $\frac{1}{2}$ " Alsike Clover.

40 lbs. \$8.00.

Sow 40 lbs. to the acre.

No. 2. On High and Dry Land.

8 lbs. Fancy Red-Top.
 1 " Tall Meadow Oat Grass.
 6 " Crested Dog's-Tail.
 2 " Orchard Grass.
 2 " Chewing's Fescue.
 13 " Timothy.
 2 " Red Clover.
 4 " Kentucky Blue Grass.
 2 " Alsike Clover.

40 lbs. \$12.00.

Sow 40 lbs. to the acre.

No. 3. On Wet Late Land.

12 lbs. Fancy Red-Top.
 6 " Orchard Grass.
 2 " Meadow Fescue.
 $\frac{1}{2}$ " Tall Fescue.
 1 " Kentucky Blue Grass.
 12 " Perennial Rye Grass.
 5 " Timothy.
 1 " Red Clover.
 $\frac{1}{2}$ " Alsike Clover.

40 lbs. \$9.00

Sow 40 lbs. to the acre.

PASTURE MIXTURES FOR ONE ACRE

No. 4. On Good Land, neither Too Dry nor Too Wet.

7 lbs. Fancy Red-Top.
 7 " Kentucky Blue Grass
 9 " Orchard Grass.
 12 " Perennial Rye Grass.
 3 " Timothy.
 2 " Red Clover.

40 lbs. \$10.00.

Sow 40 lbs. to the acre.

No. 5. On Dry Land.

5 lbs. Fancy Red-Top.
 8 " Orchard Grass.
 10 " Timothy.
 10 " Perennial Rye Grass.
 2 " Red Clover.
 4 " Kentucky Blue Grass.
 1 " Chewing's Fescue.

40 lbs. \$9.00.

Sow 40 lbs. to the acre.

No. 6. On Wet Land.

10 lbs. Fancy Red-Top.
 10 " Orchard Grass.
 1 " Tall Fescue.
 1 " Red Clover.
 12 " Perennial Rye Grass.
 2 " Timothy.
 3 " Kentucky Blue Grass.
 1 " Alsike Clover.

40 lbs. \$10.00.

Sow 40 lbs. to the acre.

The various Grasses used in the above mixtures are fully described on the following pages.

We are always glad to make up Special Mixtures, and are pleased to answer inquiries as to the best grasses for different purposes and for sowing on various soils under varying climatic conditions.

Grass Seeds

We desire to call particular attention to the fact that Grass Seeds are sold in the trade by sample, and each sort is divided into three or four grades of quality, according to purity, germination and weight. The price of the best grade is often double that of the ordinary. The Grass Seeds here offered by us are in every case the VERY HIGHEST GRADE.

Not less than one pound of any one sort sold

PRICES SUBJECT TO MARKET FLUCTUATIONS DURING THE SEASON WITHOUT NOTICE

The weight per bushel is average actual weight

AGROSTIS CANINA (*Rhode Island Bent Grass*). Resembles Red Top (*A. vulgaris*, described below), but is of dwarfer habit, with shorter and narrower leaves. It makes a beautiful, close, fine turf, and is one of the very best grasses for lawns in mixture with other sorts. It adapts itself to almost any soil, rich and moist, or dry, sandy and sterile. 60 lbs. of seed to the acre is recommended for lawns. (16 lbs. to the bushel.) We find it is impossible to procure pure seed of the R. I. Bent this year. All samples show an admixture of other grasses.

AGROSTIS STOLONIFERA, TRUE (*Creeping Bent, or South German Florin*). The only true *Creeping Bent Grass*. The distinctive feature of this species is, as the name implies, its compact, creeping, rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots which it sends down into the soil form a strong, enduring turf that is positively improved by constant trampling. The other varieties of *Agrostis* are distinguished from this sort by their flattened, parallel surface roots. Being of fine texture, it is most valuable for lawns and putting-greens. If sown alone, 60 lbs. to the acre should be used. As the true seed of *Creeping Bent Grass* comes from Germany only, it is impossible to secure any until after the war.

AGROSTIS VULGARIS (*Red-Top; Herd's Grass*). A very hardy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to dry situations, and stands our hot climate admirably. It is, perhaps, the most permanent grass we have, and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a very close, matting turf that is not affected by trampling. The seed, as usually sold, weighs 15 to 18 lbs. to the bushel, in its natural condition. Sow 4 bushels to the acre.

Lb.	\$0 25	25 lbs.	\$4 50
10 lbs.	2 00	100 lbs.	16 00

RED-TOP GRASS, FANCY HEAVY. Absolutely clean and free from chaff. About 36 lbs. to the acre. (36 lbs. to the bushel.)

Lb.	\$0 30	25 lbs.	\$6 00
10 lbs.	2 75	100 lbs.	23 00

ALOPECURUS PRATENSIS (*Meadow Fox-tail*). One of the best permanent pasture grasses for rich, moist soil. Its chief characteristics are its earliness and its faculty of standing high Summer heats without burning. It prefers moist, low grounds, but it ac-

ALOPECURUS PRATENSIS—Continued

cepts drier situations, and makes an earlier Spring verdure than any other variety. Sow only in connection with other grasses, 3 to 4 lbs. to the acre; if sown alone, 25 lbs. to the acre.

Lb.	\$0 70	25 lbs.	\$15 00
10 lbs.	6 50	100 lbs.	50 00

ANTHOXANTHUM ODORATUM (*True Perennial Sweet Vernal Grass*). For a mixture with pasture grasses, it is valuable on account of its vernal growth, and also for continuing to throw up root foliage until late in the Autumn. For meadows, its chief merit is the fragrant odor which the leaves emit when partially dried, thus sweetening hay. It is a vegetable condiment, rather than a grass of much nutritive value. From 2 to 3 lbs. to the acre when mixed with other grasses.

Lb.	\$0 90	10 lbs.	\$8 00
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AVENA ELATIOR (*Tall Meadow Oat Grass*). Most valuable for pasture on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late. For hay it may be cut twice a year, and for green soiling it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. It is very valuable for our Southern states, where it is extensively cultivated for Winter grazing and for hay. 50 lbs. to the acre.

Lb.	\$0 50	25 lbs.	\$9 50
10 lbs.	4 00	100 lbs.	35 00

BERMUDA GRASS (*Cynodon dactylon*). A most valuable grass for our Southern states, both for pasture and lawns. It is of dwarf habit, with long, creeping stems rooting at the joints and covering the ground with a matting of fine turf, which no amount of trampling will impair. It is also useful for binding drifting sand and for steep embankments subject to wash. When established it is difficult to eradicate, and is therefore unsuitable for temporary pastures. It requires heat and moisture to start it. As it cannot endure frost, it is of no value north of Virginia. It thrives in the poorest and sandiest soil, and resists extreme drought and intense tropical heat. It should be sown at the rate of 15 lbs. to the acre.

Lb.	\$0 70	25 lbs.	\$15 00
10 lbs.	6 50	100 lbs.	50 00

BLUE GRASS, Canada. See *Poa compressa*.
 “ “ English. See *Festuca pratensis*.
 “ “ Kentucky. See *Poa pratensis*.

GRASS SEEDS—Continued

BROMUS INERMIS (*Awnless or Smooth Brome Grass*). An erect perennial, 3 to 5 feet high; native of Hungary. The nutritive quality of its hay, however, is generally inferior to that of our standard native sorts, so that we should recommend it only for dry, arid soils where the better and more delicate grasses would not grow. It is strongly stoloniferous, its creeping rootstocks spreading rapidly under ground and giving out new plants. It is on this account undesirable for temporary meadows, being difficult to eradicate when once established. Sow 35 to 40 lbs. to the acre.

Lb.	\$0 35	25 lbs.	\$7 75
10 lbs.	3 20	100 lbs.	30 00

BROMUS PRATENSIS (*Meadow Brome Grass*). A hardy perennial, 2 to 3½ feet high, much used in mixtures for meadows, both for mowing and pasture. It is not recommended to be sown alone except in poor soil, on dry, stony hillsides, where better grasses will not grow. It withstands extreme cold and drought, and, if cut before flowering, it makes good hay. If left to grow older, it becomes very tough. 30 lbs. to the acre. Price on application.

CYNOSURUS CRISTATUS (*Crested Dog's-tail*). A stoloniferous perennial, forming a smooth, compact and lasting turf. It thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting-greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and it is, therefore, excellent in mixture with that sort. If sown alone, 30 pounds to the acre is none too much, but it is recommended only in mixture with other sorts.

Lb.	\$0 40	25 lbs.	\$8 00
10 lbs.	3 50	100 lbs.	30 00

DACTYLIS GLOMERATA (*Orchard Grass; Cocksfoot*). One of the grasses most employed in permanent meadows, either for pasture or for mowing. It is very hardy and succeeds well anywhere in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweet. It blossoms about the same time as Red Clover, and is, therefore, desirable in mixture with that plant. Stock of all kinds are very fond of it, either dry or green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields a heavier aftermath than any other variety. It can stand considerable shade and is recommended as a pasture grass for woodlands. Its tendency to grow in tussocks is diminished if it is sown with other grasses, and also by heavy rolling in the Spring; but it is quite unsuitable for lawns. (14 lbs. to bushel.) Sow 3 to 4 bushels to the acre.

Lb.	\$0 50	25 lbs.	\$10 50
10 lbs.	4 50	100 lbs.	40 00

DOG'S-TAIL, CRESTED. See *Cynosurus cristatus*.

FESTUCA ELATIOR (*Tall Fescue*). This grass succeeds best in moist, alluvial and strong, clayey soils. It is very productive and of long duration, and is especially valuable for permanent pasture. Stock of all kinds eat it readily, and its nutritive value is very great. On rich, moist lands it yields a large amount of hay of excellent quality. It is not suitable for lawns. 40 lbs. to the acre.

Lb.	\$0 65	25 lbs.	\$14 00
10 lbs.	6 00	100 lbs.	50 00

FESTUCA OVINA (*Sheep's Fescue*). A native both of America and Europe. In our Northwestern states there are many varieties of it, some of which grows 2 to 3 feet high. It prefers dry uplands and thrives in poor, shallow, gravelly soils, where other grasses would fail. It is very hardy, resisting extreme heat and cold. Though of dwarf growth, it grows thickly, yielding a large amount of nutritious herbage. In grass mixtures, for pastures on high and dry lands, it is especially valuable. Though a "bunch grass," it may be included in lawn mixtures as well as in fair-green mixtures on account of its fine foliage and dwarf dense growth. 35 lbs. to the acre. Crop doubtful on account of the war in Europe—will give price on application, if practicable.

FESTUCA PRATENSIS (*Meadow Fescue, or English Blue Grass*). One of the grasses most used in permanent or temporary meadows for mowing or for pasture. It succeeds best in cold, moist, light soils, in well-drained meadows and in low valleys rich in organic matter. It should not be grown at all on warm, dry land. It does not reach its full development till the second or third years, when it far exceeds most other sorts in the quantity of its produce and nutritive matter. After being mown, it grows again very quickly. The forage, either green or dried, is very nourishing and much relished by cattle, especially when cut young. 40 lbs. to the acre.

Lb.	\$0 45	25 lbs.	\$9 00
10 lbs.	4 00	100 lbs.	35 00

FESTUCA (*Chewing's New Zealand Fescue*). A variety of Hard Fescue of dwarf habit, grown with great success on poor, light, as well as heavier soils, forming a good sward where no other grass would succeed; it stands drought well and is good in mixtures for permanent pasture, golf links, or lawns. 15 lbs. to the acre.

Lb.	\$0 65	25 lbs.	\$14 00
10 lbs.	6 00	100 lbs.	50 00

FESTUCA TENUIFOLIA (*Slender Fescue*). This is really a variety of *Festuca ovina*, with much finer leaves. It will grow on very dry and inferior soils, and its dwarf habit of growth and fineness of leaf render it not unsuitable for dry slopes on lawns and golf-links. It stands grazing well, is very hardy, and lasts long, and may therefore be recommended for permanent pasture on high and dry situations. 30 lbs. to the acre. (22 lbs. to bushel.) Crop doubtful. Owing to the war in Europe—will give price on application, if practicable.

FOXTAIL. See *Alopecurus pratensis*.

GRASS SEEDS—Continued

HUNGARIAN GRASS. See *Panicum germanicum*.

JOHNSON GRASS. See *Sorghum Halepense*, p. 65.

LOLIUM PERENNE (*Pacey's Perennial Rye Grass*). Although called a perennial, it seldom lasts more than three or four years. It is the most valuable grass in Great Britain, both for pasture and for meadows, occupying there the same relative position of importance that Timothy holds here. The cool, moist climate of England seems to suit it best, yet it succeeds very well in our middle and eastern states, and adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cures into hay having a sweet flavor, and is much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixtures for quick effects in lawns or golf-links. 60 lbs. to the acre. (28 lbs. to bushel.)

Lb.	\$0 20	25 lbs.	\$3 25
10 lbs.	1 50	100 lbs.	12 00

LOLIUM PERENNE, Fancy. A carefully selected, short-seeded, dwarf-growing strain, suitable for lawns. Makes a fine green turf in three weeks.

Lb.	\$0 20	25 lbs.	\$3 50
10 lbs.	1 50	100 lbs.	13 00

LOLIUM ITALICUM (*Italian Rye Grass*). Though lasting two or three years, under very favorable circumstances, it is practically an annual. Like the Perennial Rye Grass, it is a remarkably rapid grower, and has, in addition, the advantage of standing extremes in temperature, remaining green throughout the winter, and retaining its freshness in the hottest Summer months and during prolonged drought. When sown very thickly or in mixture with other sorts, it makes a good, dense turf, and it has been used with much satisfaction on lawns as far south as Jacksonville. On rich, moist soils, it is exceedingly productive and may be cut in four or five weeks after sowing, and every six weeks after that until frost. For temporary meadows, on good soils, it is a most valuable grass. 50 lbs. to the acre. (22 lbs. to bushel.)

Lb.	\$0 25	25 lbs.	\$4 00
10 lbs.	1 75	100 lbs.	15 00

OAT GRASS. See *Avena elatior*.

ORCHARD GRASS. See *Dactylis glomerata*.

PANICUM GERMANICUM (*Hungarian Grass*). One of the most valuable annual sowing plants. It grows on any ordinary soil; withstands drought well. As it is of very rapid growth, being ready for cutting within sixty days, it may be sown in this latitude as late as the middle of July for hay, or in the middle of August for green fodder. It should be cut just before blooming, when it makes a tender and nutritious hay. Sow 1 to 1½ bushels to the acre. (50 lbs. to bushel.) Doubtful if obtainable owing to the war in Europe—will give price on application, if practicable.

PASPALUM DILATUM (*Australian Water Grass*). A somewhat leafy perennial, growing in clumps. Valuable as a pasture grass for the South, endures Summer heat and drought very well and is especially desirable for furnishing late Summer and Autumn feed, during which period it makes its principal growth. Sow lightly on the surface in warm weather. The seed should barely be covered with soil. Sow from 8 to 10 lbs. to the acre, with 5 lbs. of Hungarian Grass as a temporary protection.

Lb.	\$0 55	25 lbs.	\$12 00
10 lbs.	\$5 00	100 lbs.	45 00

PHLEUM PRATENSE (*Timothy*). A native of Europe, but long ago naturalized in America, where it ranks as by far the most important of hay grasses. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not as well suited for light, sandy soils, though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, as if left later the hay becomes hard and coarse. It is often sown with Red-Top Grass and Red Clover, and the nutritive value of the hay is greatly increased by this mixture. If sown alone, at least 25 lbs. to the acre should be used; with Red-Top Grass and Red Clover, 15 lbs. of Timothy, 12 lbs. of Red-Top Grass (Fancy) and 3 lbs. of Red Clover; or with Red Clover only, 20 lbs. of Timothy and 5 lbs. of Clover. The seed weighs 45 lbs. to the bushel. Several grades are always on the market, differing in purity and vitality, but the seed we offer is of the very highest quality and extra clean. It is always most economical to buy the highest grade, known as "Fancy."

Lb.	\$0 20	25 lbs.	\$3 50
10 lbs.	1 50	100 lbs.	13 00

POA COMPRESSA (*Canada Blue Grass*). Highest grade. A very hardy perennial grass, with creeping root-stocks. It grows on the poorest and driest soils, sandy, gravelly or clayey, standing extremes of wetness or drought, and keeping green until the severe frosts of Winter. It is especially valuable for dairy pastures, cows feeding on it yielding the richest milk and finest butter. It is distinguished from the Kentucky Blue Grass by its flattened, wiry stems and by its decidedly bluer color. 60 lbs. to the acre.

Lb.	\$0 30	25 lbs.	\$5 50
10 lbs.	2 50	100 lbs.	20 00

POA PRATENSIS (*Kentucky Blue Grass; June Grass*). Highest grade. One of the most widely distributed and valuable native grasses. It combines more points of excellence than any other sort. It is a true perennial, lasting indefinitely and improving every year. Its densely creeping root-stocks, spreading habit and smooth, even growth, fine texture, and rich green color render it one of the very best grasses for lawns. It forms a close turf, starts very early in the Spring, and lasts till frost. It succeeds in almost any soil—dry, rocky, sandy or gravelly—and stands long continued dry weather and

GRASS SEEDS—Continued

POA PRATENSIS—Continued

hot suns. It takes, however, two or three years to become well established, and should, therefore, be sown only in connection with other grasses. If the soil is especially suitable, it will eventually crowd these out, and make the finest possible sward. It is one of our most valuable pasture grasses, very productive and nutritious. 50 lbs. to the acre.

Lb. ....\$0 45	25 lbs. ....\$9 00
10 lbs. 4 00	100 lbs. ....35 00

POA TRIVIALIS (*Rough-stalked Meadow Grass*). A spreading, thickly matted, stoloniferous-rooted species, forming a fine turf, and adapted for shaded portions of lawns. It thrives on rich, moist soil and in sheltered situations, but not on dry land. Valuable for forming bottom grass in mixtures for permanent pastures. 20 lbs. to the acre. (26 lbs. to bushel.)

Lb. ....\$0 80	25 lbs. ....\$17 00
10 lbs. 7 00	100 lbs. ....60 00

SUDAN GRASS. This recently introduced grass belongs to the Sorghum family, and, according to the reports of the U. S. Department of Agriculture, is a very valuable grass for hay, especially in sections subject to drought, making good yields nearly everywhere; it grows 4 to 9 feet high according to cultivation, yielding 2 to 5 tons of excellent hay per acre, with as high as 9 tons under irrigation; should not be sown until the soil has become warm, about corn-planting time or a little earlier. Sow broadcast at the rate of 25 lbs. to the acre.

Lb.\$0 50	100 lbs.\$30 00
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RED-TOP. See *Agrostis vulgaris*.

RYE GRASS. See *Lolium italicum* and *Lolium perenne*.

RHODE ISLAND BENT GRASS. See *Agrostis canina*.

TIMOTHY. See *Phleum pratense*.

KENTUCKY BLUE GRASS. See *Poa pratensis*.

Clovers

We quote present prices on Clovers as near as it is possible to offer them at, as we go to press. We shall be very glad to quote prevailing prices on all of them from time to time, and we solicit inquiries. It is understood, of course, that all are subject to market fluctuations without notice.

ALFALFA, or LUCERNE (*Medicago sativa*).

Requires deep, rich, well-drained soil. The tap-root descends often to a depth of 10 to 15 feet in loose soil. It is consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 lbs. to the acre. It may also be sown as late as August and up to the middle of September in more southerly localities. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. American seed.

Lb. ....\$0 40	25 lbs. ....\$8 00
10 lbs. 3 50	100 lbs. ....30 00

ALSIKE, or HYBRID CLOVER (*Trifolium hybridum*).

A perennial, 1 to 3 feet high, succeeding best in cold, stiff soils, and in marshy lands which are too wet for other species. It grows well in the far North and in high altitudes. A good honey plant for bees. 15 lbs. to the acre.

Lb. ....\$0 45	25 lbs. ....\$9 00
10 lbs. 4 00	100 lbs. ....32 00

BERSEEM, or EGYPTIAN CLOVER (*Trifolium alexandrinum*).

Suitable for a rotating crop on irrigated lands. It is very succulent and much relished by stock. Its value as a soil renovator is very high. Lb. 75 cts.

BOKHARA CLOVER (*Melilotus alba*).

Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil it may be cut three times; lasts for years if cut before flowering. 15 lbs. to the acre.

Lb. ....\$0 45	25 lbs. ....\$9 00
10 lbs. 4 00	100 lbs. ....32 00

RED CLOVER, MEDIUM (*Trifolium pratense*). One of the most valuable farm crops of the eastern states for pasture, hay, or for turning under for green manure. Sow in the Spring, 15 lbs. to the acre. Market price.

KIDNEY VETCH, or SAND CLOVER (*Anthyllis vulneraria*). A deep-rooted, herbaceous hardy perennial plant, valuable for dry, sandy and inferior soils, upon which Red Clover will not thrive. Eaten with avidity by sheep, cattle and horses; useful in mixture for dry soils. Sow 20 lbs. to the acre.

Lb. ....\$0 70	25 lbs. ....\$15 00
10 lbs. 6 50	100 lbs. 50 00

CRIMSON, or SCARLET CLOVER (*Trifolium incarnatum*).

Erect annual, 1 to 2 feet high, with bright scarlet flowers. A native of southern Europe; largely grown in our southern states for improving the soil by turning under. Will not endure severe frost, and cannot be depended upon to stand the Winter north of New Jersey. It is a valuable crop for pasturage or green manure. For hay, cut when in full bloom. Sow 20 lbs. to the acre.

Lb. ....\$0 40	25 lbs. ....\$7 50
10 lbs. 3 50	100 lbs. ....28 00

WHITE CLOVER (*Trifolium repens*). White Clover is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring, 8 to 10 lbs. to the acre.

Lb.\$0 70	
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At the present time White Clover is extremely scarce and high—price for large quantities on application.

N. B. All prices are subject to market fluctuations without notice.

Cereals

Customers will please add costs of bags when ordering, as follows: $\frac{1}{2}$ bus., 20c.; 1 bus., 25c.; 2 bus., 40c.
All Corn crops are very light this year owing to early frosts, and the supply of sound Seed
Corn is very limited. Prices all subject to change without notice

FIELD CORN

(56 lbs. to the bushel.) All grown especially for seed.

Prices: Quart, 30c. Peck and Bushel, Price on Application

Ears of most sorts 10 cts. each

Flint Varieties

Angel of Midnight. Yellow flint; 8 rowed; good sized. Failed.
Canada Early Yellow. Very early; yellow flint; 8 rowed. Ears 5 cts. each, \$4.50 per 100
Compton's Early Flint. Small grain; yellow; 12-rowed; large; white cob. Failed.
Golden Dewdrop. Fine Flint variety.
King Philip. Early; reddish yellow flint; 8 rowed.
Large White Flint. Long, slim ears; pure white grain.
Large Yellow Flint. Deep yellow grains; medium early.
Longfellow (Yellow Flint). Small cob and large grain; popular 8-rowed variety.
Sanford or Long White Flint. Large; 8-rowed; ears of unusual length.

Dent Varieties

Bloody Butcher. Red grain; great yielder; one of the very best; valuable for ensilage or field purposes.
Champion White Pearl. Large grain; 14 to 18 rows; ripens in about 95 days.
Chester County Mammoth. Medium-sized, yellow grains; very large ears; late.
Golden Beauty. Large grain; small cob; long ears; medium early.
Hickory King. Large grain; small cob; white dent; ripens in about 120 days.
Iowa Gold Mine. Dent; deep grain; ripens in about 90 days.

Iowa Silver Mine. Large grain; Dent; white cob, ripens in about 100 days.

Iowa Yellow Dent.

King of the Earliest Yellow Dent. Ears medium size, fine quality.

Leaming Early. Large; deep grains; dull yellow; early and productive.

Snowflake White Dent. Pure white, 12 to 18 rows, ripens in 100 to 110 days in average seasons.

White Cap Yellow Dent. Good-sized ears; early.

Wisconsin White Dent.

Wisconsin Yellow Dent.

Fodder and Ensilage Varieties

Cuban Giant Ensilage. Very prolific.

Red-Cob Ensilage. Abundant herbage; tall growth; fine.

THOROUGHbred WHITE FLINT. Spreading habit; broad blade and small stalk; valuable for fodder, ensilage and grain. Leave only one kernel to grow in a hill.

Virginia Horse Tooth. For fodder and ensilage.

Pop Corn (Shelled)

	Qt.	$\frac{1}{2}$ pk.	Pk.
Golden Queen	\$0 30	\$1 00	\$1 50
Red Beauty	30	1 00	1 50
Silver Lace	30	1 00	1 50
White Pearl	30	1 00	1 50
White Rice	30	1 00	1 50

MISCELLANEOUS CEREALS.

All subject to change in price without notice

BARLEY. (48 lbs. to bus.)	Bus.	
2 bushels to the acre.		
Champion. Beardless	\$3 00	
BUCKWHEAT. (48 lbs. to bus.)		
2 bushels to the acre.		
American Silver Hull. Early	About 3 50	
Japan. Productive; large grains	About 3 50	
MILLET. (50 lbs. to the bus.)		
Golden, or German. Extra-large seed-heads. $1\frac{1}{2}$ bus.	Lb. 100 lbs.	
to the acre	\$0 12	\$9 00
Japan. Barnyard (panicum Crusgalli). 30 to 40 lbs. to the acre	15	10 00
Pearl. Southern fodder-plant.	20	16 00
Siberian	10	7 50
White French. White grain.	25	20 00
White Wonder. Broad leaved, heavy foliage, very large heads producing immense amount of excellent fodder.		
Earlier than German Millet.	12	10 00

OATS. (32 lbs. to the bus.)	Qt.	Bus.
2 to 3 bushels to the acre.		
Canada Cluster.	\$0 15	\$2 00
Clydesdale	15	2 50
Tartar King.	15	2 00
RYE. (56 lbs. to the bus.) $1\frac{1}{2}$ to 2 bushels to the acre.		
Winter Excelsior. Long, stiff straw. Sow $1\frac{1}{2}$ bushels to the acre	15	3 00
Mammoth Winter. Very fine strain, grows 6 to 7 feet high, giving 25% more straw than any other variety	20	3 50
WHEAT, WINTER. (60 lbs. to the bus.) $1\frac{1}{2}$ bus. to the acre.		
Red Wave. Bald, red grain.		5 00
Klondyke. White grain; bald.		5 00



Soja (Soy) Beans

Forage, Economical and Miscellaneous Seeds

Except where noted, these seeds are not sold in packets. From 15 cts. to 25 cts. worth is the smallest quantity put up. ALL SUBJECT TO CHANGE IN PRICE.

AUSTRALIAN SALT BUSH (*Atriplex semibaccata*). Thrives in soils on which nothing else will grow, and it is highly recommended for alkali soils and all regions subject to periodical drought. It is very nutritious, and good for all kinds of livestock. Two or three pounds of seed are sufficient for an acre. The seed may be sown in beds, and the seedlings planted out when 2 inches high, 3 feet apart. Grows strong and vigorously in the driest seasons. Oz. 15 cts., lb. \$1.

BEANS (60 lbs. to the bushel)—

Velvet Bean (*Dolichos multiflorus*). Used in the South as a forage plant, and as a fertilizer plant for turning under. Stock readily eat the vines and leaves, and the Beans, when ground with or without the pod, are used in place of oats or corn, or mixed with them. Plant in rows 4 feet apart and 1 foot in the row, 2 or 3 Beans in a place, as soon as danger of frost is past. The vines are strong and vigorous in growth, rapidly covering the ground, and bearing immense quantities of Beans. Qt. 25 cts., bus. \$5.

Soya Bean (*Glycine hispida*). Thrives well in hot and dry weather. Plant at the rate of $\frac{1}{2}$ to $\frac{3}{4}$ bushel to the acre, in drills $2\frac{1}{2}$ or 3 feet apart, and cultivate same as field corn. It does not make

good hay, but is good as ensilage or green fodder.

Hollybrook Early. A vigorous, quick-growing variety. Pk. \$2, bus. \$7.

Mammoth Yellow. The largest-growing Soja Bean, valuable for green fodder and for improving the soil. Pk. \$1.75, bus. \$6.00.

BEGGAR-WEED (Florida or Giant Beggar-Weed; *Desmodium tortuosum*). An erect, leguminous annual, growing from 3 to 8 feet high, with abundant foliage, valuable as forage or for soil renovation in subtropical regions; it also makes hay of a fine quality. It should be sown at the rate of 10 lbs. to the acre, after the ground is warm and moist. The seed should be but very lightly covered. If for hay, it should be cut just as it begins to bloom. Lb. 60 cts., 100 lbs. \$50.

BROOM CORN (*Sorghum vulgare*). (12 quarts to the acre). Broom corn succeeds in a good, deep soil, fresh but not damp, and it is very sensitive to cold.

Long-Brush Evergreen. Lb. 15 cts., 100 lbs. \$10.50.

California Golden Long-Brush. Grows from 12 to 14 feet high. Lb. 15 cts., 100 lbs. \$10.50.

BURNET, Common Field (*Poterium sanguisorba*). Perennial; makes excellent

FORAGE, ECONOMICAL AND MISCELLANEOUS SEEDS—Continued

ALL SUBJECT TO CHANGE IN PRICE

pasture for sheep; grows on the poorest ground, on dry, sandy, or calcareous soils; resists the extremes of heat and cold; sow in April and again in September, with sainfoin, clover, rye or grass, etc. 30 lbs. to the acre. Lb. 50 cts., 100 lbs. \$45.00.

CASTOR BEAN (*Ricinus*). The plant from which Castor-oil is made. Lb. 30c., 100 lbs. \$25.

COTTON (*Gossypium*). Sea Island. Lb. 30 cts., 100 lbs. \$25.
Upland Big Boll. Lb. 25 cts., 100 lbs. \$20.

COWPEAS (*Vigna Catjang*). Specially adapted to warm countries; extensively grown in our Southern states, also valuable in this latitude as a fodder-plant. The chief value of Cowpeas, however, is as a green crop to plow under. The seed should not be sown till the ground has become well warmed. Sow 1 bushel to the acre, in drills; 2 or 2½ bushels to the acre is sown broadcast.

Black. Standard variety; early and very prolific. Pk. \$1.50, bus. \$5.

Clay. A little later than the Black; prolific in both peas and growth of vine. Pk. \$1.50, bus. \$5.

New Era. Upright-growing, quick to mature and very prolific of peas. Pk. \$1.50, bus. \$5.

Whippoorwill. A favorite sort; makes a good growth of vine and very good for improving the land. Pk. \$1.50, bus. \$5.

EMMER. (Sometimes advertised as "Speltz," though this name is incorrect, the true Speltz being a different article.) It is grown quite extensively in the Northwest, having been brought there from Russia, where it is considered a valuable cereal on account of its hardiness and drought-resisting qualities. Lb. 20 cts., 100 lbs. \$12.

ESPARSETTE. See *Onobrychis sativa*.

FETERITA. A new forage plant, similar to Kaffir Corn, but much earlier, and is a great drought resister. Sow 8 to 10 lbs. to the acre in drills. Produces large crops of both grain and forage. Lb. 15 cts., 100 lbs. \$12.

FURZE (*Ulex europaea*). Also known as Whin and Gorse. A perennial leguminous shrub. The crushed sprigs of one year's growth of this shrub furnish an excellent green fodder in Winter. It grows well on barren hillsides and in sandy soil. Sheep are fond of it. 25 lbs. to the acre. Oz. 15 cts., lb. \$1.50.

HOP SEED. Per pkt. 15 cts., per oz. \$1.

JUTE (*Corchorus*). Annual. Thrives in any good Corn ground. Sow in drills, about 8 inches apart, 4 lbs. to the acre. Requires no cultivation, as it will outstrip in growth all weeds. May be also sown broadcast, 6 or 7 lbs. to the acre. Oz. 15 cts., lb. 75 cts.

KAFFIR CORN. See Sorghum, page 65.

LOTUS corniculatus (*Bird's-foot Trefoil*). Perennial; used in pastures. Cattle and sheep eat it readily, and it is said to be quite nutritious. It grows on the lightest and most sterile soils, and can with-

stand severe droughts. Is excellent for sowing in mixture for dry pastures. Lb. \$1.

villosus, or major (*Greater Bird's-foot Trefoil*). Lb. \$1.

LUPINE, White (*Large Flat Seed*). One of the best plants known for green manure, as it gathers large quantities of nitrogen from the air. It may be sown from April to July, and plowed under when in flower. The seed, when burned, is excellent manure for orange and olive trees. Lb. 25 cts., 100 lbs. \$20.

MILLETS. See Miscellaneous Cereals, page 62.

ONOBRYCHIS sativa (French, *Sainfoin*; German, *Esparssette*). A perennial leguminous plant, belonging to the same family as Clover and Lucerne. It is a valuable plant for growing on poor land and barren hillsides. When once well established, it lasts for many years. If to be used for hay, cut just before the flowering period. Sow in Spring, covering the seeds quite deeply, at the rate of 80 lbs. to 100 lbs. to the acre. Lb. 25 cts., 100 lbs. \$15.

OSAGE ORANGE (*Maclura aurantiaca*). Useful for hedges. Lb. \$1.

PEANUTS, Spanish. Used in the South as a hay and grain ration; the tops also make good forage, either green or cured. Nuts are smaller but better flavored than other sorts. Price variable; at present 25 cts. per lb., 100 lbs. \$20.

PEARL MILLET (*Penicillaria spicata*). A valuable fodder-plant for the South; is enormously productive. Sow the seed in drills 18 inches apart and 8 to 10 lbs. to the acre. Lb. 20 cts., 100 lbs. \$16.

PEAS, Canadian Field. Valuable for northern climates, for cattle-feeding, especially for milch cows. This pea also makes fine ensilage and for plowing under as a green manure has no equal. It is sown broadcast in the Spring and harrowed in 2½ to 3 bushels to the acre. If sown with oats, about 1½ bushels to the acre. Qt. 30 cts., bus. \$6.

PENICILLARIA spicata. See Pearl Millet.

POPPY, Opium (*Papaver somniferum*). The seed furnishes an agreeable sweet oil, used for the table, also for painting and for illuminating. May be sown in Spring, either broadcast or in drills, covering thinly. Also cultivated for opium. Oz. 50 cts.

RAPE, Dwarf Essex English (*Brassica napus*). Largely grown in the northern United States and in Canada. It is excellent for sheep-pasture and also for soiling. It may be sown in May, and will be ready for pasturing in July and August; or, it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow 5 lbs. to the acre; sown broadcast, 10 lbs. to the acre. Lb. 25 cts., 100 lbs. \$20.

REANA luxurians (*Teosinte*). (Short crop.) A valuable fodder-plant from Central America, in growth resembling Indian corn. Well adapted to our Southern states. Oz. 15 cts., lb. \$1.

FORAGE, ECONOMICAL AND MISCELLANEOUS SEEDS—Continued

ALL SUBJECT TO CHANGE IN PRICE

RICE SEED. For sowing. Best Carolina.
Lb. 25 cts., 100 lbs. \$20.

SAINFOIN. See *Onobrychis*, page 64.

SALT BUSH. See Australian Salt Bush, page 63.

SORGHUM. Twenty-five pounds required to the acre if sown in drills. For dry fodder, 2 bushels should be sown to the acre.

Early Amber Sugar Cane. Ripens wherever Indian corn matures. Grows 10 to 12 feet high. Lb. 15 cts., 100 lbs. \$10.

Brown Dhoura. Lb. 15 cts., 100 lbs. \$12.

Halepense (Johnson Grass). One of the most valuable Southern fodder plants. On rich soils it may be cut three or four times in a single season, and it is claimed that hay made from it is equal in value to Timothy. Sow in August and September, 35 to 40 lbs. to the acre. Lb. 30 cts., 100 lbs. \$25.

Holcus saccharatus (Sugar Millet). Rich in saccharine matter, and a large amount of nutritive fodder can be obtained from it. Lb. 25 cts., 100 lbs. \$20.

Jerusalem Corn (White Dhoura). Lb. 20 cts., 100 lbs. \$15.

Red Kafir Corn, or Sorghum. Non-saccharine. The plant is low, stalky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages it is available for green feed. Lb. 15 cts., 100 lbs. \$10.

White Kafir Corn. Lb. 15 cts., 100 lbs. \$9.

Early Orange Sugar Cane. Ripens about ten days after Early Amber, and is said to produce a larger crop. Lb. 15 cts., 100 lbs. \$10.

Shallu. A non-saccharine Sorghum from India, also known as Egyptian wheat.

Requires more room to develop than ordinary Sorghum, and consequently needs less seed to sow an acre. Lb. 15 cts., 100 lbs. \$10.

White Millo-Maize. Lb. 15 cts., 100 lbs. \$10.

White Dhoura (see Jerusalem Corn).

Yellow Branching (Yellow Millo Maize). Non-saccharine; useful for the large amount of foliage, green feed or cured fodder that it furnishes, and for its grain. Lb. 15 cts., 100 lbs. \$10.

SPURRY (*Spergula arvensis*). Annual. Grows well on poor, dry, sandy soil; may be sown every month from March to August. Excellent pasture for cattle and sheep; also of much value as a fertilizer for light soil. 15 lbs. to the acre. Lb. 25 cts., 100 lbs. \$20.

Giant Spurry. Lb. 25 cts., 100 lbs. \$20.

SUNFLOWER, Large Russian. Lb. 15 cts., 100 lbs. \$12.

TEOSINTE. See *Reana luxurians*, page 64.

TOBACCO SEED. See page 50.

ULEX europæa. See Furze, page 64.

VELVET BEAN. See page 63.

VETCHES, Spring Tares (*Vicia sativa*). Sown broadcast at rate of 60 to 100 lbs. to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for Peas. Price variable. Present quotation, lb. 20 cts., 100 lbs. \$15.

Sand, Winter or Hairy Vetch (*Vicia villosa*). Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye for a support. Grows 3 to 4 feet high, and can be cut as soon as the bloom appears and again for the seed. Perfectly hardy. Sow from 30 to 50 lbs. to the acre. Price variable. Present quotation, lb. 35 cts., 100 lbs. \$30.

FARMOGERM

The Original and Genuine Seed Inoculant

A preparation of high-bred, nitrogen-gathering bacteria in sealed bottles, ready to use, with water added according to directions. late the seeds for one acre. Prepared for the following crops:

White Clover	Cowpeas
Red Clover	Vetches
Crimson Clover	Canada Field Peas
Alsike Clover	Garden Peas
Alfalfa Clover	Sweet Peas
Garden Beans	Soy Beans

Price per acre bottle, \$2.00; per five-acre bottle, \$7.50. State for what crop Farmogerm is wanted, when ordering.

Also in garden size, enough for 1,000 square feet or a 200-foot row, at 50 cts. per bottle, for Peas, Beans, Sweet Peas and White Clover, each crop requiring a different bottle. We secure cultures fresh from the laboratory, hence it takes two or three days to fill orders. Also

ALL CROP FARMOGERM

good for any Crop, Garden or Field.

One acre size Can \$2.00
Five " " " 7.50



Tree and Shrub Seeds

To preserve seeds of Conifers and other Evergreen Trees, it is best to keep them in perfectly dry sand until the time of sowing. For this latitude the seeds should be sown thinly, as early in the Spring as the ground can be worked, in beds of fine, sandy loam. Cover to the depth of about the thickness of the seed, and press the beds gently with the back of the spade to firm the earth around the seeds. Great care must be taken not to give too much water, as the young plants damp off very easily. Water with a very fine rose, but never so that the ground becomes soggy. Some shade must be used to protect the young plants from the hot sun and winds, and to keep the birds from destroying them. Seeds of the rarer sorts may be sown in coldframes or boxes; if in coldframes the sashes should be shaded and the frames raised at the corners 3 or 4 inches to allow the air to circulate freely. Keep the young plants well weeded, and allow them to remain one to two years before transplanting.

The propagation of Deciduous Trees from seed is less difficult than that of Evergreen species. Acorns, Hickorynuts, Chestnuts and Walnuts should be planted in Autumn, or kept during the Winter in earth or moss. They shrivel up by too long exposure to the air, and many of them lose their vitality. Those seeds with hard shells, like the Locust, *Gymnocladus*, etc., should be planted in Autumn or placed in boxes with sand, and exposed to frost before planting. They may not germinate till the second year after planting, and if they are received too late in the Spring to expose them to the action of the frost, they may be put into a vessel of hot water for an hour or so before planting. American Elm, Silver Maple and a few other sorts ripen their seeds early in Summer, and, if gathered and planted soon after they fall from the tree, will make fine plants the same season. The seeds of other Deciduous Trees and Shrubs should be planted from the middle of April to the middle of May, in drills about 2 feet apart, and covered about $\frac{1}{2}$ inch in depth, according to size.

Some of the varieties here offered are on hand now; a few are due from foreign countries, where they are being collected for us. Owing to the war in Europe, we are, of course, uncertain of getting all of them. As the season advances, many sorts become worthless from various causes, or are sold out, and cannot be replaced until the new crop is ready next season.

EVERGREEN TREE AND SHRUB SEEDS

We do not sell Tree or Shrub Seeds in quantities of less than an ounce of any one variety, except those quoted at 25 cts. per packet.

	Per pkt.	Per oz.	Per lb.		Per pkt.	Per oz.	Per lb.
<i>Abies alba</i>	\$0 25	\$0 50	\$5 00	<i>Picea Douglasii</i> (Douglas Spruce) .....	..	\$0 60	\$6 00
<i>amabilis</i> (Silver Fir) ..	25	80	8 00	<i>Englemanni</i>	\$0 25	80	8 00
<i>canadensis</i> (Hemlock Spruce)	25	80	8 00	<i>Menziesii</i> (Menzie's Fir) .....	..	60	6 00
<i>concolor</i> (Calif. White Silver Fir) ..	25	45	4 50	<i>Ajanensis</i> From Japan	25	75	7 50
<i>grandis</i> (Great Silver Fir of Oregon) ...	25	50	5 00	<i>pungens</i> (Colorado Blue Spruce)	25	45	4 50
<i>magnifica</i> (Superb Silver Fir) .....	..	35	3 50	<i>rubra</i>	25	65	6 50
<i>Mertensiana</i> (Calif. Hemlock)	25	1 50	15 00	<i>Pinus</i>	-	-	-
<i>nobilis</i> (Noble Fir) ..	..	75	7 50	<i>australis</i> or <i>palustris</i> (Southern Pine) ..	..	30	3 00
<i>sub alpina</i> .....	..	30	3 00	<i>Banksiana</i> (Jack Pine)	25	1 25	12 00
<i>Arborvitæ</i> . See <i>Thuja</i> .				<i>contorta</i> (Scrub Pine)	25	60	6 00
<i>Arbutus Menziesii</i> (Madrona Tree) .....	..	30	3 00	<i>densiflora</i> (Japan Pine) .....	..	25	2 50
<i>Arctostaphylos glauca</i> (Great-berried Manzanita)	25	50	5 00	<i>Edulis</i> (American Nut Pine) .....	..	40	4 00
<i>tomentosa</i> (Woolly-branched Strawberry Tree)	25	50	5 00	<i>heterophylla</i> (or <i>Caribæa</i> or Slashed Pine)	25	70	7 00
<i>Cupressus</i>				<i>insignis</i> (Monterey Pine)	25	45	4 50
<i>horizontalis</i> (Horizontal Cypress) .....	..	20	2 00	<i>inops</i> (New Jersey Scrub Pine)	25	75	7 50
<i>macrocarpa</i> (Monterey Cypress)	25	45	4 50	<i>Jeffreyana</i> (Jeffrey's Pine)	25	45	4 50
<i>Fir Tree</i> . See <i>Abies</i> and <i>Picea</i> .				<i>koraiensis</i> . From Japan .....	..	30	3 00
<i>Juniperus</i>				<i>Lambertiana</i> (Sugar Pine)	25	45	4 50
<i>virginiana</i> (Red Cedar) .....	..	10	1 00	<i>laricio</i> (Corsican Pine) .....	..	20	2 00
<i>Libocedrus decurrens</i> (California White Cedar)	25	65	6 50	<i>maritima</i> (Seaside Pine) .....	..	15	1 25

EVERGREEN TREE AND SHRUB SEEDS—Continued

PINUS—Continued	Per pkt.	Per oz.	Per lb.		Per pkt.	Per oz.	Per lb.
mitis (Short leaved Pine)	\$0 25	\$0 65	\$6 50	<i>Sequoia gigantea</i>	\$0 25	\$1 25	\$12 00
monticola (Mountain White Pine)	25	80	8 00	sempervirens (California Redwood)	25	50	5 00
ponderosa (Heavy Pine) .....	..	30	3 00	<i>Spruce Tree</i> . See <i>Abies</i> and <i>Picea</i> .			
rigida (Northern Pitch Pine)	25	45	4 50	<i>Thuja</i>			
resinosa (Red or Norway Pine)	25	1 25	10 00	gigantea (Giant Oregon Arborvitæ) .....	..	50	5 00
Sabiniana (Sabine's Nut Pine) .....	..	25	2 50	orientalis var.; compacta (Chinese Arborvitæ) .....	..	20	2 00
Strobus (White Pine) ..	..	35	3 25	occidentalis (American Arborvitæ) .....	..	45	4 50
tæda (Loblolly Pine) ..	25	45	4 50	<i>Tsuga canadensis</i>	25	70	7 00
Torreyana (Torrey's Pine) .....	..	40	4 00	Carolina	25	1 00	10 00
<i>Schinus molle</i> (False Pepper) .....	..	25	2 50	<i>Yucca</i>			
<i>Sciadopitys verticillatus</i> (Umbrella Pine of Japan) .....	..	30	3 00	filamentosa (Adam's Needle) .....	..	40	4 00
				gloriosa	25	75	7 50

DECIDUOUS TREE AND SHRUB SEEDS

We do not sell Tree or Shrub Seeds in quantities of less than an ounce of any one variety, except those quoted at 25 cts. per packet.

	Per pkt.	Per oz.	Per lb.		Per pkt.	Per oz.	Per lb.
<i>Æsculus hippocastrium</i> (Horse Chestnut)	25	<i>Castanea</i>			
<i>Amorpha fruticosa</i>	15	1 00	americana (American Chestnut) .....	..	..	30
<i>Ampelopsis quinquefolia</i> (Virginia Creeper)	15	1 50	<i>Catalpa speciosa</i> . True Hardy <i>Catalpa</i> .....	..	20	2 00
veitchii	35	3 50	<i>Ceanothus</i>			
<i>Andromeda arborea</i> (Sour Wood)	20	2 00	americanus (New Jersey Tea) .....	..	20	2 00
<i>Aralia cordata</i> (Udo Salad)	30	3 00	thyrsiflorus (California Lilac) .....	..	40	4 00
spinosa (Virginia Angelica Tree)	30	3 00	<i>Celastrus scandens</i> (Climbing Bittersweet) .....	..	25	2 25
<i>Aristolochia Siphon</i> (Dutchman's Pipe) ..	25	65	6 50	articulatus (Staff Tree) .....	..	25	2 25
<i>Asimina triloba</i> (Pawpaw)	20	2 00	paniculata .....	..	25	2 25
<i>Azalea Vaseyi</i>	50	5 00	<i>Celtis occidentalis</i> (American False Elm) .....	..	20	2 00
<i>Berberis aquifolia</i>	20	2 00	<i>Cephalanthus occidentalis</i> .....	..	15	1 50
canadensis	30	3 00	<i>Cercidiphyllum japonicum</i>	25	70	7 00
Thunbergii. Fine for hedges	20	2 00	<i>Cercis canadensis</i> (Am. Judas Tree) .....	..	25	2 25
vulgaris (Common)	15	1 50	<i>Chionanthus Virginica</i> (Va. Fringe Tree) ..	..	25	2 50
<i>Callicarpa americana</i> (French Mulberry)	30	3 00	<i>Cinnamomum Camphora</i> (Camphor) .....	..	30	3 00
<i>Calycanthus floridus</i> (Common Carolina Allspice)	20	2 00	<i>Cladrastis lutea</i> (Yellowwood Tree) .....	..	50	5 00
<i>Camellia japonica</i> . From Japan	30	3 00	<i>Clematis virginiana</i> .....	..	25	2 50
<i>Camphor</i> . See <i>Cinnamomum</i> .				paniculata .....	..	35	3 50
<i>Carpinus americana</i>	15	1 25	<i>Clethra alnifolia</i> (Sweet Pepper Bush) .....	..	20	2 00
<i>Carya alba</i>	15	acuminata .....	..	20	2 00
amara (Bitternut)	20	<i>Cornus alternifolia</i> .....	..	15	1 50
alba (Shellbark Hickory)	20	alba .....	..	20	2 00
porcina (Pignut)	20	circinata	25	45	4 50
sulcata (Big Shellbark Hickory)	20				
ovataformis (Pecan Nut)	40				

DECIDUOUS TREE AND SHRUB SEEDS—Continued

	Per pkt.	Per oz.	Per lb.		Per pkt.	Per oz.	Per lb.
<i>Cornus florida</i> (Flowering Dogwood) .....	..	\$0 15	\$1 00	<i>Halesia tetraptera</i> (Silver Bell) .....	..	\$0 20	\$2 00
<i>mascula</i> (Cornelian Cherry) .....	..	15	1 00	<i>Hamamelis virginica</i> (Witch Hazel) ....	..	25	2 50
<i>Nuttallii</i> .....	..	25	2 25	<i>japonica</i> .....	..	20	2 00
<i>paniculata</i> (Panicle-flowered Dogwood) ..	..	20	2 00	<i>Holly</i> . See <i>Ilex</i> .			
<i>sericea</i> (Silky Cornel) ..	..	20	2 00	<i>Hibiscus Syriacus</i> (Rose of Sharon) .....	..	20	2 00
<i>stolonifera</i> (Osier Dogwood) .....	..	15	1 50	<i>Ilex glabra</i> .....	..	20	2 00
<i>Corylus americana</i> (American Hazel) ..	..	15	1 00	<i>monticola</i> .....	..	20	2 00
<i>rostrata</i> (Beaked Hazel) .....	..	15	1 00	<i>opaca</i> (American Holly) .....	..	15	1 50
<i>Crataegus</i>				<i>verticellata</i> (Deciduous Holly) .....	..	10	1 00
<i>coccinea</i> (Scarlet-fruited Thorn) ....	..	15	1 00	<i>Itea Virginica</i> (Virginian Willow) .....	..	20	2 00
<i>cordata</i> .....	..	20	2 00	<i>Juglans</i>			
<i>Crus-galli</i> (Cockspur Thorn) .....	..	15	1 00	<i>cinera</i> (Butternut) ...	..	..	15
<i>Cydonia japonica</i> (Japan Quince) ...	..	25	2 50	<i>cordiformis</i> . From Japan .....	..	10	50
<i>Deutzia crenata</i> .....	..	25	2 50	<i>nigra</i> (Black Walnut) ..	..	..	15
<i>scabra</i> (White Deutzia) .....	..	25	2 50	<i>sieboldii</i> . From Japan ..	..	10	50
<i>Diospyrus Virginiana</i> (American Persimmon) ..	..	15	1 00	<i>Kalmia angustifolia</i> ....	..	30	3 00
<i>Dirca palustris</i> (Leatherwood) ....	..	20	2 00	<i>latifolia</i> (Mountain Laurel) .....	..	35	3 50
<i>Dogwood</i> . See <i>Cornus</i> .				<i>Larix Europæa</i> .....	..	30	3 00
<i>Elæagnus umbellata</i> ...	..	20	2 00	<i>leptolepis</i> (Japanese Larch) .....	..	40	4 00
<i>longipes</i> (Long-stalked Oleaster) .....	..	20	2 00	<i>occidentalis</i>	25	70	7 00
<i>Eucalyptus</i>				<i>Ligustrum ibota</i> .....	..	15	1 25
<i>Amygdaline</i> (Peppermint Tree)	25	45	4 50	<i>japonicum</i> .....	..	30	3 00
<i>gigantea</i> (Stringybark Tree)	25	1 00	10 00	<i>vulgare</i> (Common Privet) .....	..	15	1 25
<i>globulus</i> (Tasmania Blue Gum)	25	60	6 00	<i>Liquidambar styraciflua</i> (Sweet Gum) .....	..	40	4 00
<i>leucoxydon</i> (Austrian Iron Bush) ...	25	50	5 00	<i>Liriodendron tulipifera</i> .	..	10	1 00
<i>obliqua</i> (Stringybark Tree)	25	45	4 50	<i>Locust</i> . See <i>Gleditschia</i> and <i>Robinia</i> .			
<i>pauciflora</i> (White Gum)	25	80	8 00	<i>Maclura aurantiaca</i> (Osage Orange) ...	..	15	1 00
<i>robusta</i> (Brown Gum) ..	25	85	8 50	<i>Magnolia acuminata</i> (Cucumber Tree) ....	..	30	3 00
<i>rostrata</i> (Red Gum) ..	25	55	5 50	<i>glauca</i> (Sweet Bay) ..	..	35	2 50
<i>Stuartiana</i> (Apple-scented Gum Tree) ..	25	55	5 50	<i>grandiflora</i> (Large-flowered Magnolia) ..	..	30	3 00
<i>viminalis</i> (Blue Gum) ..	25	60	6 00	<i>tripetala</i> (Umbrella Tree) .....	..	35	3 50
<i>Euonymus americana</i> (Burning Bush) ...	..	20	2 00	<i>macrophylla</i> (Green-leaved Magnolia) ..	..	30	3 00
<i>Exychordia grandiflora</i> ..	25	50	5 00	<i>Morus</i>			
<i>Fagus americana</i> (American Beech) .....	..	15	1 00	<i>alba</i> .....	..	35	3 50
<i>Fremontia californica</i> (Slippery Elm of California) ..	..	1 50	..	<i>alba fructo nigra</i> ....	..	35	3 50
<i>Genista</i>				<i>rubra</i> .....	..	30	3 00
<i>junceau</i> .....	..	15	1 25	<i>tatarica</i> (Russian Mulberry) .....	..	30	3 00
<i>scoparia</i> .....	..	30	3 00	<i>Myrica</i>			
<i>tinctoria</i> .....	..	40	4 00	<i>cerifera</i> (Candleberry Myrtle) .....	..	20	2 00
<i>Gleditsia triacanthos</i> (Honey Locust) ..	..	15	1 00	<i>carolinensis</i> .....	..	20	2 00
<i>Gymnocladus canadensis</i> (Kentucky Coffee Tree) .....	..	10	1 00	<i>Nyssa</i>			
				<i>sylvatica</i> .....	..	25	2 50
				<i>multiflora</i> (Sour Gum) ..	..	15	1 00
				<i>Osage Orange</i> . See <i>Maclura</i> .			
				<i>Ostrya virginica</i> .....	..	25	2 50
				<i>Paulownia imperialis</i> ..	..	25	2 50

DECIDUOUS TREE AND SHRUB SEEDS—Continued

	Per pkt.	Per oz.	Per lb.
Platanus occidentalis (Button Ball)	\$0 15	\$1 00
Prunus			
americanus (Wild Plum)	15	1 50
Carolina	20	2 00
Pennsylvanicum	25	2 50
Virginica	20	1 75
serotina (Wild Black Cherry)	15	1 00
Quercus alba (White Oak)	15
coccinea (Scarlet Oak)	15
Macrocarpa (Bur Oak)	25
Michauxi (Basket Oak)	15
nigra	30
obtusiloba (Box White Oak)	15
palustris (Pin Oak)	30
prinus (Rock Chestnut Oak)	15
rubra (Red Oak)	15
Rhamnus			
californica (California Coffee Tree)	15	2 50
carolina (Indian Cherry)	15	1 50
prushiana	\$0 25	50	5 00
Rhododendron			
catawbiensis	25	45	4 50
californica	1 50	..
maxima	25	45	4 50
Rhus aromatica (Fragrant Sumach)	20	2 00
copallina (Dwarf Sumach)	15	1 50
glabra (Scarlet Sumach)	15	1 00
Ribes sanguineum (Red-flowered Currant) ..	25	50	5 00
Robinia pseudacacia (Yellow or Black Locust)	15	1 50
Rosa canina (Brier Rose). Clean seed	10	1 00
carolina (Swamp Rose)	20	2 00
multiflora	20	2 00
nitida	15	1 50
rubiginosa (Sweet-brier)	20	1 50
rugosa	20	2 00
setigera (Prairie Rose)	20	2 00
Salisburia adiantifolia (Maidenhair Tree)	15	1 25
Sambucus canadensis (American Elder)	15	1 25
glauca	40	4 00
pubens	25	2 50
Sassafras officinale (Sassafras Tree)	15	1 50
Sorbus Americana (Mountain Ash)	25	2 25
Styrax americana	15	1 50
japonica	25	2 25
Symphoricarpus			
racemosa (Crimson Snowberry)	20	1 75

	Per pkt.	Per oz.	Per lb.
Taxodium distichum (Deciduous Cypress)	15	1 50
Tecoma radicans (Trumpet Creeper)	25	2 50
Tilia americana (American Basswood)	15	1 25
Ulex europæa (Furze, Gorse or Whin)	15	1 50
Ulmus americana (American White Elm)	15	1 00
Vaccinium stamineum	20	1 75
Viburnum acerifolium (Dockmackie)	15	1 50
dentatum	15	75
Lantanoides (Wayfaring Tree)	20	2 00
lentago	20	2 00
prunifolium (Black Haw)	15	1 25
Walnuts. See <i>Juglans</i> .			
Wistaria			
chinensis (Chinese Wistaria)	30	3 00
chinensis alba (White Chinese Wistaria)	45	4 50

FRUIT SEEDS

Cherry Pits, Mahaleb ..	..	..	80
Domestic .....	..	..	60
Currant, Red Dutch	10	20	2 00
White Dutch	10	25	2 50
Peach Pits, Natural qt. 25c., bus. \$4.50.			
Plum Pits, Mirabelle ...	..	..	45
Myrobolan .....	..	..	50
St. Julien .....	..	..	1 00
Green Gage .....	..	..	25
Quince Seed .....	..	30	3 00
Raspberry, Red .....	..	30	3 00
Strawberry, Mixed	10	1 00	..
Red Alpine	25	2 00	..
Vitis æstivalis (Summer Grape) .....	..	25	2 25
cordifolia (Frost Grape) .....	..	25	2 25
labrusca (Northern Fox Grape) .....	..	20	2 00
riparia .....	..	25	2 25

SEEDS OF HEDGE PLANTS

For prices see under head of Tree Seeds

Barberry	<i>Berberis Thunbergii</i>
Locust, Honey	<i>Gleditschia triacanthos</i>
Yellow	<i>Robinia pseudacacia</i>
Osage Orange	<i>Maclura aurantiaca</i>
Privet, Common	<i>Ligustrum vulgare</i>
Sheepberry (Black Haw)	<i>Viburnum prunifolium</i>

Flower Seeds

PRACTICAL DIRECTIONS FOR CULTURE, TREATMENT, ETC.

HARDY ANNUALS (hA).—Sow in April or May, according to the latitude, in shallow boxes or pots placed in a warm window, a hotbed, or, if possible, in a greenhouse. A second sowing ought to be made from two to four weeks after for succession, as well as to provide against failure the first time. For sowing seeds in there is nothing better than shallow boxes from 2 to 3 inches deep, and of any convenient size. The most suitable soil for all the smaller kinds is a very fine, rich, sandy loam. That from old hotbeds is excellent, or sods from an old pasture piled up and allowed to rot for two or three years and then mixed with a little old stable manure and sand. After the seeds are up care must be taken to give them plenty of air and moisture, yet not too much water, or they will "damp off." When the young plants are well out of the seed-leaf they must be transplanted to new boxes. If pots 2 inches or more in diameter can be had, set out from three to a dozen or more of the young seedlings along the edges of the pot, so that as soon as the ground is warm enough they may be easily turned out and planted singly, as by that time they will have made good roots. When pots cannot be had, boxes, tin cans, etc., may be substituted.

A common mistake in sowing flower, as well as other seeds, is covering too deeply. The exception to this is the Sweet Pea which is seldom planted deep enough. As a general rule, cover only to the depth of the thickness of the seeds; or, with medium-sized seeds, like Balsams, Zinnias, etc., half an inch or so is none too much. Such fine seeds as *Portulacas* need only to be pressed into the soil with a piece of board or the palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardier Annuals may be sown where they are to grow; but, as a rule, it is preferable to transplant, as the plants are generally stronger and stand the drought better. During very dry weather, and when the seedlings are first set out, they should be watered frequently. Provide some support for all such Annuals as require it.

The weeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not if the ground is allowed to become hard and baked.

Seeds of Biennials and some Hardy Annuals may be sown in July and August in the open, and in September in boxes and placed in coldframes. They will make strong plants by Spring, and flower early. Do not put on the sashes until heavy rains and frosts begin, and then always remove during the day whenever the temperature is above freezing in Winter.

Owing to the presence in most soils of Weed Seeds, it is well to mark where seeds are sown in the open, so that the weeds (which are apt to germinate first) can be destroyed before they crowd out and smother the Flower Seeds as they spring up.

HARDY BIENNIALS (hB) and HARDY PERENNIALS (hP).—These require the same treatment as the Hardy Annuals. In addition to the above, both Hardy Biennials and Perennials may be sown in the open border from July to September. The seeds of many Perennials require several months, some even as long as two years, before they germinate. It is a good plan, at the commencement of frost, to cover the plants lightly with straw, leaves or any dry litter, in order to afford some protection from the extreme severity of the Winter. As soon as the frost is out of the ground in the Spring, remove the covering and loosen the surface around the plants, which, when large enough, may be transplanted to the flower garden where they are to remain.

HALF-HARDY ANNUALS (hhA).—These may be sown in shallow boxes, pots or a hotbed, as directed for Hardy Annuals. They may be sown thus at any time after the middle of April, as the hotbed will be sufficient protection; but it is best to cover the glass with a mat or straw at night until danger of frost is past. In the day give all the air possible. After the end of May sow in the border, like Hardy Annuals.

HALF-HARDY BIENNIALS (hhB) and HALF-HARDY PERENNIALS (hhP) require the same treatment. Though plants and their blooms are greatly forwarded by sowing the seeds early in boxes under cover, it may be stated that nearly all kinds of Hardy and Half-hardy Flower Seeds may be sown in the open border in a warm and sunny spot as soon as the soil has become dry and warm; so that those who have no glass frames or greenhouses need not be without flowers. They can have them, but it will be later.

TENDER ANNUALS, BIENNIALS and PERENNIALS.—The best method to obtain an early bloom of the Tender Annuals (tA), and to insure strength to the plants, is to sow the seeds in boxes or pots in March, placing them in a warm greenhouse or plunging in a moderate hotbed, carefully protecting them from the cold, shading from the midday sun, and watering with a fine rose. The seed should be sown in a very light, sandy compost, and the pots well drained by placing broken pots or bits of sod in the bottom. The finer seeds must not be covered more than an *eighth of an inch deep*, and the soil pressed down closely over them. Water frequently, particularly if the house or hotbed is very warm. As soon as the plants are out of the seed-leaf transplant them into shallow boxes or small pots, and when they have acquired sufficient strength transplant into the flower beds; not, however, before the middle of May.

GREENHOUSE SEEDS (g) should be sown as directed for Tender Annuals, in pans, pots or shallow boxes, and be kept in the house, carefully watched, slightly watered occasionally and sheltered from the hot sun till strong enough to transplant. Most varieties may be sown at any season of the year.

The smaller seeds of Greenhouse Plants are sometimes difficult to make germinate unless great care be taken in the mode of sowing. Hence the supposition arises that the seed itself is not good, whereas the fault is not in the seed, but in the treatment. Fine seeds of this description should be sown in leaf-mold or peat, with some fine sand added to it; press firmly down in the seed-pan or pot, and make perfectly level at the top so that the mold may not afterward sink materially with watering. Sow the seed very thinly and cover very lightly with a little compost or with silver sand. Success is more certain if a pane of glass is placed over the pan or box till the plants have appeared, when it should be removed. As soon as the young plants have two leaves they should be transplanted into similar composts in another pan or box. After transplanting they should be kept in a shady part of the greenhouse for a few days and watered very sparingly.



Aster, Giant Crego

At the time of going to press we expect to receive all the varieties we quote, but may be disappointed owing to the disturbance abroad. If permission is given us, with order, to substitute, we shall use our best judgment in sending equally good sorts for those originally ordered.

ASTER hhA One of the very best Annuals for cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers sow in March or April in coldframe, spent hotbed, or in pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and when the plants have three or four leaves transplant about 18 inches apart each way into well prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used they should be thoroughly well decayed and mixed with the soil. Small quantities of slaked lime or fresh wood-ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots.

BRANCHING Semples. Forms broad bushes, with large, long-petaled flowers, graceful and feathery in effect; excellent for cut-flowers; 2½ ft.

Crimson	50145	Pkt. 10
Dark Blue	50140	10
Lavender	50150	10
Pink	50155	10
Purple	50158	10
Rose	50160	10

BRANCHING—Continued

White	50165	Pkt. 10
Mixed ¼ oz. 60c., oz. \$2.	50170	10
COMET, Giant. Petals wavyly reflexed, curled and twisted; flowers of extraordinary size and beauty. 2 ft.		
Dark Blue	50270	Pkt. 10
Light Blue	50275	10
Crimson	50280	10
Rose	50285	10
White	50295	10
Mixed , , , , ¼ oz. 85c., oz. \$3.	50300	10

ASTER—Continued

CREGO, Giant. On the style of "Giant Comet"; large flowers. Fine for cutting; 2 ft.

	Pkt.
Crimson	50415 10
Dark Blue	50420 10
Lavender	50425 10
Rose	50430 10
Shell Pink	50435 10
White	50440 10
Mixed ¼ oz. 85c., oz. \$3.	50445 10

DWARF CHRYSANTHEMUM-FLOWERED

Large, chrysanthemum-like flowers; 10 to 12 inches.

	Pkt.
Light Blue	50490 10
Rose	50500 10
Scarlet	50505 10
White	50510 10
Mixed ¼ oz. 85c., oz. \$3.	50515 10

HOHENZOLLERN. Plants grow strong and sturdy, and the flowers are carried on long, stiff stems, making them valuable for cutting.

	Pkt.
Dark Blue	50615 10
Rose	50620 10
White	50625 10
Mixed ¼ oz. 85c., oz. \$3	50630 10

KING. Producing many double flowers on long stems. The blooms are very large, with long, narrow petals; strong grower.

	Pkt.
Crimson	50640 10
Lavender	50642 10
Pink	50644 10
Rose	50646 10
Violet	50648 10
White	50650 10
Mixed ¼ oz. 85c., oz. \$3	50652 10
Collection of six colors	50660 50

OSTRICH-PLUME. Splendid class; fine for cutting; rivals the Chrysanthemum in effect.

	Pkt.
Dark Blue	50670 10
Rose	50675 10
White	50680 10
Mixed ¼ oz. 60c., oz. \$2	50685 10

QUEEN OF THE MARKET. The best early Aster; of graceful, spreading habit, and bearing its flowers on long stems; 1½ ft.

	Pkt.
Crimson	50735 10
Purple	50726 10
Lavender	50728 10
Light Blue	50730 10
Pink	50738 10
Rose	50740 10
Scarlet	50745 10
White	50755 10
Mixed ¼ oz. 40c., oz. \$1.25.	50760 10

TRUFFAUT'S PÆONY PERFECTION. Grows stiffly erect and about 18 in. tall. Remarkable for the brilliant colors of its great incurved flowers.

	Pkt.
Crimson	50850 10
Light Blue	50845 10
Rose	50855 10
Snow White	50865 10
Mixed ¼ oz. 85c., oz. \$3.	50870 10

VICTORIA, Tall. Large flowers, recurved petals; a superb class; 2 ft.

	Pkt.
Dark Blue	50980 10
Light Blue	50985 10
Peach Blossom	50990 10
Rose	50995 10
Dark Scarlet	51000 10
White	51005 10
Mixed ¼ oz. 85c., oz. \$3.	51010 10

VARIOUS ASTERS

DAYBREAK. Shell pink.

¼ oz. 85c... 51060 10

PURITY. Snow white. ¼ oz. 85c... 51110 10

MIXED GERMAN, QUILLED.

oz. 60c... 51130 5

SINGLE ANNUAL MIXED.

oz. 50c... 51140 5



Aster, Violet King

SWEET PEAS (Lathyrus odoratus) hA

N. B.—Intending purchasers are strongly advised to order as soon as possible after receipt of catalogue.

Through the skill of specialists the Sweet Pea has become much larger and lovelier than before it became so popular. There are flowers of quite distinct shapes, some of which are a great improvement upon the Sweet Pea of the old type. For garden decoration it is now grown in clumps and in separate colors. The plants are more robust, dwarf and branching, and bloom more freely, some varieties showing three or four blooms on a stem.

A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug $1\frac{1}{2}$ feet deep and filled with very best loam mixed with bone meal or well rotted manure. The vines are usually grown in double rows, with a wire trellis or a row of brush between. For each double row make the drills about 12 inches deep, and 9 to 10 inches apart. Sow plentifully, covering about 2 inches deep, and, by degrees, as the vines grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared, white-seeded varieties should not be sown until the ground is fairly warm. The earliest flowers are from seed sown in Fall, preferably in a dry situation, and 6 to 8 inches deep, giving them level culture. Sweet Peas should not be grown on the same soil year after year. If the location cannot be changed the soil, to a depth and width of a foot or so, should be removed and replaced by soil from another part of the garden or grounds. If the soil is in good, rich condition, bone meal is the best fertilizer.



Sweet Peas (Grandiflora)

We do not sell less than 1 oz., $\frac{1}{4}$ lb. or $\frac{1}{2}$ lb. at the prices quoted per oz., $\frac{1}{4}$ lb., $\frac{1}{2}$ lb. and lb. respectively. This applies to all types and to the mixtures.

In order to assist our customers in making their selections, we group the different varieties according to color.

THORBURN'S SELECTED SWEET PEAS

ASSORTMENT containing 1 pkt. each of 40 named varieties, OUR SELECTION	52000	\$1 75
" " 1 " " " 20 " " " " " " " "	52010	85
" " 1 " " " 10 " " " " " " " "	52020	45
also		

ASSORTMENT containing 1 pkt. each of 12 finest NAMED EXHIBITION VARIETIES of SPENCER SWEET PEAS, OUR SELECTION	52030	1 00
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NAMED LARGE-FLOWERED (GRANDIFLORA) SWEET PEAS*All Five Cents per packet***Light Blue and Lavender**

	Per. oz.	¼ lb.
Countess of Radnor. Lovely, delicate mauve.....	52200 \$0 10	\$0 30
Flora Norton. A pure, bright blue.....	52220 10	30
Lady Grisell Hamilton. Beautiful, pale lavender.....	52260 10	30

Dark Blue and Purple

Captain of the Blues. Standard purple, wings bright blue.....	52350 10	30
Lord Nelson. A fine, rich, bright blue.....	52410 10	30
Navy Blue. Deep violet blue.....	52430 10	30

Claret and Maroon

Black Knight. Fine, self-colored, deep maroon.....	52480 10	30
Othello. Fine, deep maroon.....	52520 10	30

Crimson and Scarlet

King Edward VII. A fine, self-colored, bright crimson.....	52630 10	30
Queen Alexandra. A fine scarlet shade.....	52670 10	30
Salopian. Very fine, sunproof scarlet.....	52690 10	30

Orange and Salmon

Bolton's Pink. A soft, salmon-orange pink.....	52740 10	30
Miss Willmott. Orange pink. One of the finest.....	52820 10	30

Pink (Light Shades)

Lovely. Shell pink, shaded light rose toward edges.....	52910 10	30
Prima Donna. Fine; large; soft pink.....	52930 10	30

Pink (Deeper Shades)

Apple Blossom. Bright pink and blush, beautifully shaded.....	52980 15	40
Janet Scott. Deep pink; a fine, large flower.....	53000 10	30
Katherine Tracy. A fine, brilliant pink.....	53020 10	30

Pink (Rose-Pink)

Prince of Wales. A fine, self-colored rose.....	53170 10	30
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Pink and White (Bicolor)

Blanche Ferry, Extra Early. Pink and white; popular sort.....	53220 10	30
Dainty. White with pink edge; fine.....	53260 10	30

Striped and Mottled

America. White, striped orange scarlet.....	53330 10	30
Aurora. White, flaked and striped orange salmon.....	53350 10	30
Mrs. Joseph Chamberlain. White, striped with rose; fine sort.....	53410 10	30
Princess of Wales. Striped mauve on white ground.....	53450 15	40

Pure White

Blanche Burpee. Snowy white; a fine, large flower.....	53540 10	30
Dorothy Eckford. A grand, pure white.....	53560 10	30
Emily Henderson. A good, early white.....	53580 10	30
White Wonder. Double stemmed; large, white flowers.....	53680 10	30

Yellow and Buff

Hon. Mrs. E. Kenyon. Deep primrose yellow; grand flower.....	53770 10	30
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SPENCER VARIETIES

These are noted for their unusually large-sized flowers, and for the waved or fluted appearance of the petals. They are also frequently referred to as "Orchid-flowering" Sweet Peas.

*All Ten Cents per packet, except where quoted otherwise***Blue (Light and Dark Shades)**

	Per oz.	¼ lb.
Afterglow. Rich, electric shades of blue and rosy mauve; distinct.....	53870 \$0 25	\$0 75
Asta Ohn. Lavender, tinted mauve; delicate coloring; very large flower....	53900 30	1 00
Captain of the Blues Spencer. A fine purple.....	53910 25	75
Flora Norton Spencer. Bright blue, slightly tinged with purple.....	53920 0 25	0 75

BLUE (Light and Dark Shades)—Continued

	Soft.	Per oz.	¼ lb.
Florence Nightingale. clear, rich lavender.....	53922 \$0 30	\$1 00	
Helen Pierce Spencer. Bright blue, flaked and striped white.....	53930 25	75	
Lavender George Herbert. Bluish lavender, superior to Nightingale.....	53931 30	1 00	
Margaret Madison. Beautiful azure blue..pkt. 15c.....	53932 40	1 00	
Masterpiece. Lavender.....	53935 30	1 00	

SWEET PEAS, SPENCER VARIETIES—Continued

BLUE (Light and Dark Shades)—Continued

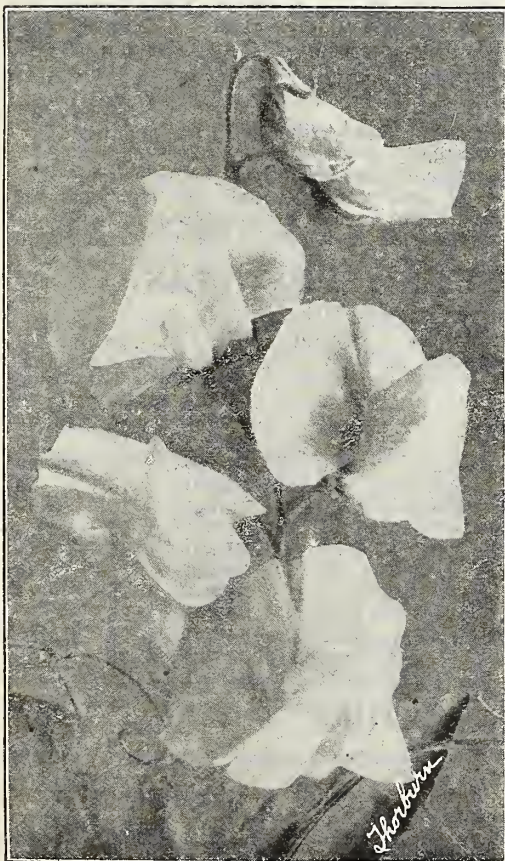
	Per oz.	¼ lb.
Royal Purple. Rich, warm, rosy purple; immense flowers .....pkt. 15c... 53952	\$0 40	\$1 00
Tennant Spencer. Beautiful, purplish mauve, self-colored. 53960	25	75
Wedgewood. Lovely, light wedgewood blue. pkt. 15c... 53962	40	1 00

Crimson and Maroon

Black Knight Spencer. Shining deep maroon; splendid. 54010	25	75
Dobbie's Sunproof. Crimson. 54015	30	1 00
King Edward Spencer. A lovely self-colored, carmine-scarlet. 54020	25	75
King Manoel. Largest deep maroon 54025	30	1 00
Nubian. Very dark crimson maroon; large and waved. 54030	30	1 00
Othello Spencer. An elegant rich deep maroon 54040	25	75

Pink (Light Shades)

Beatrice Spencer. Blush pink tinted with deeper pink. 54090	25	75
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Sweet Peas, Spencer Type

PINK (Light Shades)—Continued

	Per oz.	¼ lb.
Countess Spencer. Beautiful soft rose pink. One of the best 54110	\$0 25	\$0 75
Charles Foster. Opal pink pastel 54120	25	75
Elsie Herbert. Creamy white and pink; large flower. 54130	25	75
Florence Morse. Blush pink with deeper pink margin. 54150	25	75
Mrs. C. W. Breadmore. Cream, pink edged; very large flower 54172	25	75
Pink (Rose-Pink)		
Apple Blossom Spencer. Rose standards, blush-rose wings; large flowers 54220	25	75
Blanche Ferry Spencer. Carmine rose with white wings. 54225	25	75
Constance Oliver. Buff pink, large flower 54228	25	75
Elfrida Pearson. Extra large flowers; pink tinted with salmon 54230	25	75
Enchantress. Pale, silvery rose pink, tinged deeper at margin 54232	30	1 00
George Herbert. Rich salmon-rose color; splendid .. 54240	25	75
John Ingman. Rose carmine; large fluted flowers... 54260	30	1 00
Lovely Spencer. Deep pink throat, shading to blush. 54270	25	75
Mrs. Cuthbertson. Rose-pink, flushed white 54275	25	75
Rosabelle. Fine, deep rose, with white blotch at base. 54290	25	75

Salmon and Orange

Barbara. Fine salmon... 54310	25	75
Decorator. Rosy terra cotta, bright orange at base of wings 54322	25	75
Earl Spencer. Rich, brilliant salmon rose 54324	25	75
Fiery Cross. Red orange cerise; very brilliant. pkt. 25c... 54326	75	
Helen Lewis. A very fine orange pink; most showy.... 54330	25	75
Illuminator. Rich, bright salmon color. One of the finest 54340	30	1 00
May Unwin. Best orange-scarlet 54345	30	1 00
Mrs. Harcastle Sykes. Beautiful light salmon pink; large flower 54350	25	75
Robert Sydenham. Bright orange-salmon 54355	40	1 25
Stirling Stent. Large flowers; deep salmon, suffused with orange. ..pkt. 15c... 54360	40	1 00

Scarlet

Queen Alexandra. Scarlet, self-colored 54365	25	75
Vermilion Brilliant. Bright scarlet 54375	25	75

SWEET PEAS, SPENCER VARIETIES—Continued.

White				WHITE—Continued				Per oz.	¼ lb.
America Spencer.	White,	Per oz.	¼ lb.	White Spencer.	Pure white;				
striped with crimson red.				large, beautifully waved					
				flower		54420	\$0 30	\$1 00	
	54390	\$0 25	\$0 75						
Etta Dyke.	A white Spencer;								
of fine form and substance.									
	54400	30	1 00						
King White.	Pure white; flower								
of enormous size and fine									
form	54404	30	1 00						
Rainbow Spencer.	Ivory white,								
flaked rose	54410	25	75						

Selected List of Flower Seeds

We have unquestionably the largest assortment of Flower Seeds in America, and our strains are far superior to those commonly sold, often under fancy names and at fictitious prices. We avoid extravagant descriptions, meant only to effect sales.

There are many minute plants from the finer seeds killed by drenching with water while very young. In the first stage of their existence plants require moisture in a minute quantity, often repeated, and not in such large quantities as to saturate the soil in which they are growing.

FLOWER SEEDS DELIVERED FREE BY MAIL ON RECEIPT OF THE STATED PRICE

Not less than $\frac{1}{4}$ oz. or 1 oz. sold at the prices quoted per $\frac{1}{4}$ oz. or 1 oz. respectively

PRICE PER OUNCE OR POUND FOR THOSE NOT QUOTED, ON APPLICATION

Explanation of Signs Employed in this List

The asterisk (*) designates *ornamental-leaved* plants. This mark (‡) prefixed indicates the *climbers*.

A represents Annual—lasting but one year.

B “ Biennial—lasting two years.

P “ Perennial—lasting three or more years.

E “ Evergreen—retains foliage the entire year.

S represents Shrubs—plants of bushy habit.

g “ greenhouse plants.

Bu “ bulbous plants.

As a large number of Biennials and Perennials, if sown early, flower the first season from seed, this distinguishing mark (†) is affixed to such.

The hardiness is denoted by the following abbreviations, but it should be understood that this is intended to apply to the climate of the Middle Atlantic States. Farther north or south, these designations apply only in a comparative way.

h represents hardy—plants for open border. hh represents half-hardy—plants that require to be forwarded in pots or frames. t represents tender—requiring protection.

Our Imported Collections are sent out as received from Europe. The assortments are good and highly recommended, but it is impossible to make any alteration in the contents thereof.

Customers will find it more convenient to order by number. If ordered from any catalogue other than this (1918) kindly state from which year's catalogue the numbers are taken. This will facilitate the filling of orders and will insure prompt shipment.

Many of our Flower Seeds are grown in Europe. Owing to the war some sorts may not be received until later in the season than usual. At the time of going to press we expect to receive all the varieties we quote, but may be disappointed.

If permission is given us to substitute, we shall use our best judgment in sending equally good sorts for those originally ordered, or a memorandum will be kept of any items not sent and the seeds will be forwarded as soon as they arrive.

ABRONIA *umbellata grandiflora* (Sand Verbena). Handsome, trailing plants, these hardy annuals with large, rose-colored flowers, are especially adapted for vases and rock gardens, doing best in light, sandy soil. Sow in the open ground in May55020 10

‡**ABRUS** *precatorius* (Prayer Bean). This attractive, climbing, greenhouse perennial needs a strong heat for best results. Blossoms light purple55030 5

ABUTILON, Mixed Hybrids (Chinese Bellflower, or Flowering Maple). Greenhouse shrub of easy culture; continuous blooming, bell-shaped flowers; very decorative; desirable for house or garden. Grows 3 to 4 ft. in height55050 25

ACACIA (Tassel Tree). Beautiful greenhouse shrubs, elegant foliage, graceful branches and fine racemes of richly scented, yellow flowers. Soak the seeds in hot water before sowing, then plant in sandy peat in a temperature of 55 to 60 degrees.

	Pkt.
Baileyana. 6 to 10 ft.	55090 10
cultriformis. 6 ft.	55110 10
dealbata. 4 ft.	55130 10
Farnesiana. 10 ft.	55170 5
lophantha. 10 ft.	55190 5
Melanoxylon. 8 ft.	55210 10
Fine Mixed	55290 5

ACANTHUS (Bear's Breech). Hardy perennial plants, flourishing in almost any soil or situation. Much prized for decorative purposes. Pkt.
mollis. White; 3 ft.55320 10

ACHILLEA Ptarmica, Double, "The Pearl." Free-blooming, hardy perennial. The pure white flowers are borne in clusters on long stems. Fine for florists for cut-flowers; succeeds well in any common garden soil; blooms all Summer and Fall; 1½ ft. in height 55340 25

ACONITUM. Hardy perennial plant, with showy panicles of helmet-shaped flowers; does well in shady places or under trees; 4 ft. Pkt.

Napellus (Monk's Hood). Blue. 55380 10

ACROCLINIUM Showy, half-hardy annuals for the Summer garden, with Everlasting flowers, which are much used for Winter decorations. Flower heads, to be preserved should be gathered when young; 1 ft. Pkt.

roseum. Rose 55430 5
 " album. White 55450 5
 " Mixed 55470 5
 " Double Rose 55490 5
 " Double White 55510 5
 " Double Mixed 55530 5

†**ADLUMIA** cirrhosa (Mountain Fringe; Allegheny Vine). An interesting, hardy perennial climbing vine, with beautiful dark rose flowers and delicate foliage; 15 ft. 55530 10

ADONIS. Both the annual and perennial varieties are, with their bright flowers, great favorites in the flower-garden. All succeed well in any common soil. Pkt.

autumnalis (hA). Crimson, fall blooming; 1 ft. 55600 10

æstivalis (Flos Adonis) (hA). Scarlet; 1½ ft. oz. 40c. 55620 5

vernalis (Ox-eye) (hP). Bright yellow, spring blooming; 1 ft. 55640 5

AGAPANTHUS umbellatus (African Lily). Showy greenhouse plants, producing large clusters of bright blue flowers. Nearly hardy, and will thrive anywhere, in pots or tubs on the lawn, piazza, or in the greenhouse. In bloom during Summer and Autumn; 3 ft. 55660 10

AGATHÆA cœlestis (Blue Daisy). A tender perennial, with beautiful blue flowers; fine pot plant for Winter blooming in conservatory; 1 ft. 55680 25

AGERATUM For strengthening the garden's color-forces in blue, no annual is so good as the Ageratum. Though ordinarily used in bedding and borders, in contrast with such plants as geraniums, perillas, etc., the rose, white and blue sorts are exceedingly attractive when mingled with alyssum, candytuft, etc. They grow well almost anywhere and bloom the whole season. The dwarf blue sorts make fine borders. Sow under glass early in the season or, later, outdoors in a mellow seed-bed. Seeds sown in August will produce good plants for winter flowering.

Lasseauxi. Clusters of handsome rose-colored flowers; 1 ft. 55720 10



Ageratum Lasseauxi

AGERATUM—Continued

mexicanum (hA). Blue. Parent of the Pkt.

annuals below; 1½ ft. 55730 5

album. White; 1½ ft. 55735 5

Blue Perfection. Fine dwarf variety, with large flowers; 9 in.; splendid 55740 10

Dwarf Blue. 9 in.; fine for edgings. 55750 5

Imperial Dwarf Blue. Excellent for edgings; 9 in. 55770 10

Imperial Dwarf White. Excellent for edgings; 9 in. 55780 10

Little Dorrit. Azure blue. Plants 6 in. high, 1 ft. wide 55790 10

Little Blue Star. Bright blue flowers, fine for carpet bedding; 5 in. 55810 25

Swanley Blue. A fine, large-flowered sort; 1 ft. 55820 10

Fine Mixed 55840 5

AGROSTEMMA All of easiest cultivation, blooming during Summer and Autumn. "The Rose of Heaven" is very free flowering and fine for cut-flowers. The "Rose Campion" is excellent for naturalizing in dry situations.

Cœli-rosa (Rose of Heaven) (hA). Pkt. Rose; 1½ ft. 55860 5

†**coronaria** (Rose Campion) (hP). Rose; 2 ft. 55880 5

† " **Dark Blood Red** (hP). 2 ft. 55890 10

AGROSTEMMA—Continued

	Pkt.
†coronaria White (hP). 2 ft...	55900 5
†" Mixed (hP). 2 ft....	55910 5
†Flos-Jovis (Flower of Jove) (hP).	
Rose; 1 ft.	55920 5

ALONSOA (Mask Flower). Bright, little, free-flowering annuals of fine habit; require some protection in cold weather. Bloom continuously all through the season; 1½ to 2 ft.

	Pkt.
albiflora. White	55950 5
grandiflora. Scarlet	55960 5
linifolia. Scarlet	55970 5
Warscewiczii. Scarlet	55980 5

ALSTROEMERIA (Peruvian Lily). Lily-like, hardy perennial. Blooms all Summer; 3 ft.

	Pkt.
pulchella. Brilliant yellow, with red streaks	56020 10

ALTHÆA rosea. See *Hollyhock*.

ALYSSUM

Most popular, free-blooming annuals; suitable for borders, baskets, pots, rockwork, and for cutting. In the garden sow thickly so as to form masses, early in Spring or even the previous Autumn. For Winter bloom sow late in August, and thin the seedlings to about a dozen for a good-sized basket. Cut back after the first flowers fade and others will come.

maritimum (Sweet Alyssum) (hA). Pkt. Fragrant white flowers, in clusters; all Summer; 1 ft.

oz. 50c...	56050 5
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compactum lilacinum (Lilac Queen) 56055 10

compactum, Little Gem. Grows erect; 6 in.

¼ oz. 20c., oz. 60c...	56060 10
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procumbens, White Carpet. Of trailing habit, forming a dense mass. ¼ oz. 20c., oz. 60c. 56070 10

Thorburn's Bouquet. Very dwarf and compact; for pots and borders; 3 in. ¼ oz. 30c... 56080 15

saxatile compactum (Gold Dust) (hP). Single plants cover a square foot in a year and produce hundreds of yellow flower heads. Grayish foliage; 1 ft. 56090 5

*AMARANTUS

Strong - growing, highly ornamental tender annuals. The tricolor varieties are very valuable for bedding, having elegant, ornamental foliage, variegated crimson, yellow and green; also well adapted for growing in pots. Of easy culture, doing best in rich loam soil. For best results sow in hotbed in April and plant out the end of May. Please note that seed saved from the finest sorts frequently produce inferior plants.

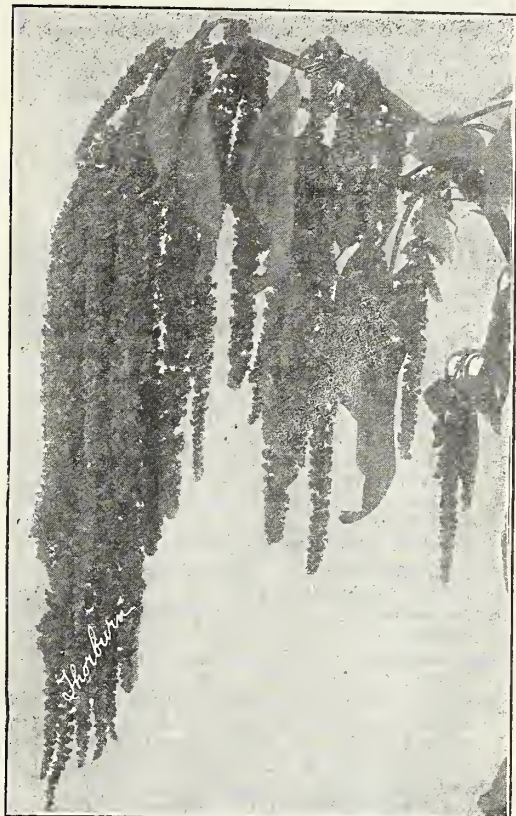
*bicolor ruber. Red; 2 ft.... 56150 5

*cruentus (Prince's Feather). Dark red; 3 ft. 56160 5

*caudatus (Love-Lies-Bleeding). Dark red; 3 ft. oz. 30c... 56170 5

*melancholicus ruber. Red; 2½ ft. 56200 5

*salicifolius (Fountain Plant). Purple; 2½ ft. 56210 10



Amarantus caudatus

*AMARANTUS—Continued

*tricolor (Joseph's Coat). Variegated; 2½ ft. oz. 50c... 56220 5

*Fine mixed oz. 30c... 56250 5

AMETHYST. See *Browallia*.

AMMOBIUM alatum grandiflorum. White. Pretty half-hardy perennial Everlastings. Of easiest culture; bloom all Summer; 2 ft. 56280 5

ANAGALLIS grandiflora, Mixed (Pimpernelle). Half-hardy annuals of easy culture. Fine for borders or rockwork. Continuously in bloom; 6 in. 56300 5

ANCHUSA. Both the annual and perennial varieties of this attractive plant succeed well in the garden border. Fine for cut-flowers and bouquets.

Barrelleri (hP). Dark blue; 2 ft. 56320 10

capensis (Cape Forget-Me-Not) (hhA). Azure blue; 1½ ft... 56330 10

italica, Dropmore variety (hP). Blue; 3 ft. 56340 10

ANEMONE (Windflower). Free-flowering, hardy perennials, producing large, cup-shaped flowers. Invaluable for cutting; require rich, deep soil; 1 to 2 ft.

coronaria (St. Brigid Poppy-flowered). Mixed 56360 10

Caen, Mixed 56370 10

japonica rosea. Rose 56380 25

" alba. White 56390 25

ANTHEMIS. A very pretty plant, producing all Summer Daisy-like, golden yellow flowers; fine for cutting.

Kelwayi tinctoria (hP). Fine, large Pkt. flowers on good stems; 2 ft.56460 10

ANTIGONON leptopus. Greenhouse perennial climber with pink flowers56470 5

ANTIRRHINUM. See *Snapdragon*.

AQUILEGIA (Columbine). Few hardy perennials are so easily grown from seed, and will give such unalloyed satisfaction. A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in Spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture, but such rare sorts as *A. cærulea* and *A. chrysantha* do best in partially shaded, well-drained nooks.

California hybrida. Orange-red and Pkt. yellow; splendid; 2 ft.56500 25

canadensis. Scarlet and yellow; for shade; 1½ ft.56510 10

chrysantha. Golden yellow; flowers large, long spurred; 3 ft.56520 25

cærulea (Rocky Mountain Blue Columbine). One of the most beautiful of our native flowers. Sepals blue, petals white; 3 ft.56530 15

glandulosa vera. One of the handsomest hardy perennials; stems 2 ft. high, with sometimes 50 to 80 blossoms 3 in. in diameter, of the deepest blue, with white corolla; a splendid flower56560 50

Long-spurred Hybrids, Mrs. Scott Elliott's Strain. Magnificent hybrids in the greatest variety of colors and shades; one of the finest strains; 2 ft.56580 25

Skinneri (Mexican Columbine). Very handsome and distinct, spurs and sepals long. Crimson and green; 3 ft.56590 25

vulgaris, Double Mixed. Best colors.56620 5

" **Single Mixed.** Many good sorts56630 5

ARABIS An early-flowering, hardy perennial especially suited for edgings and rockwork, growing about 6 in. in height, becoming a sheet of white bloom in early Spring, adapting itself to almost any situation, and of easiest culture.

alpina (Rock Cress). White; 9 in. Pkt.56660 10

AROTOTIS grandis. White and lilac; 2 ft. The large, Daisy-like blooms of this fine hardy annual are excellent for cutting.56680 10

ARDISIA crenulata. Fine, decorative greenhouse plant, with evergreen foliage; bearing bright coral-red berries; 5 ft.56690 25



Aquilegia, Long Spurred Hybrids

ARGEMONE. Easily grown, showy, hardy annuals, with Poppy-like flowers; blooming through the Summer and Autumn; 2 to 3 ft.Pkt.

grandiflora. White56720 5

" **lutea.** Yellow56730 5

†ARISTOLOCHIA elegans (gP). Purple-and-white. Beautiful, strong-growing climbers for both greenhouse and open ground; grow finely all Summer; 20 ft.56750 25

Sipho (hP). The "Dutchman's Pipe" Vine; 30 ft.56760 25

ASCLEPIAS. Showy plants, including both greenhouse and hardy perennials, growing 2 to 3 ft. in height and blooming throughout the Summer.

Curassavica (Swallow-wort) (gP). Pkt. Orange; free bloomer56810 10

ASPARAGUS Beautiful, fern-like foliage; fine for bouquets; an excellent house plant; white flowers; 4 to 6 ft.

plumosus nanus (gP). The dwarf variety so largely used by florists.56860 10

" **Hatcheri** (gP). Variety of *Plumosus nanus* style; a great improvement; 6 ft.56870 25

ASPARAGUS—Continued

Sprengeri (gP). Fine for basket work Pkt. and for use with cut-flowers. **56890** 10

ASPERULA. Sweet-scented, pretty plants for borders or rockwork; succeed finely in shady places or under trees; continuously in bloom; 1 ft. Pkt.

azurea setosa (hhA). Light blue. **56920** 5

odorata (Sweet Woodruff; Waldmeister) (hP). White **56930** 10

Asters. See pages 71 and 72.

AURICULA (*Primula auricula*) (hP). Finest Mixed. Beautiful shades of color. These early Spring-blooming garden Primroses are great favorites; 6 in. **57020** 25

BACHELOR'S BUTTON. See *Centaurea* and *Gomphrena*.

BALLOON VINE (*Cardiospermum*). A pretty and fast-growing, half-hardy annual climber, with white blossoms; 10 ft. oz. 50c. **57080** 5

BALSAM (*Lady's-Slipper*). These favorite half-hardy annuals are of the easiest culture, but love hot sun, rich soil and plenty of water. The young

BALSAM—Continued

plants are quick, sure growers, and, from seed sown in the open ground in May soon form handsome bushes thickly massed with large, Rose-like flowers. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Balsams are not often given room for perfect development; they will easily cover 12 to 18 in. of space each way. For the finest flowers choice seed is more than usually essential. We offer only the finest *double* sorts; 1½ ft. Pkt.

Double Bright Scarlet	57100	10
" Carmine	57110	10
" Lavender	57120	10
" Peach Blossom	57130	10
" Red, Spotted White	57140	10
" Rose	57150	10
" Yellow	57155	10
" White	57160	10

Camellia-flowered, White. Flowers of extra size, double and full centered, with reflexed petals. The plant grows rapidly to a good height and is extremely floriferous **57170** 10

Camellia-flowered, Mixed. Best colors. **57190** 10

Finest Double, Mixed. A splendid assortment ¼ oz. 30c. **57200** 10

BALSAM APPLE AND PEAR. See *Momordica*.

BAPTISIA australis (False Indigo). Light blue. Very beautiful, strong-growing and ornamental, hardy, perennial border plant for Summer blooming; 3 ft. **57280** 5

BARTONIA aurea. Golden yellow. Beautiful hardy annuals that bloom all through the season; very fragrant in the evening; 3 ft. **57300** 5

BEGONIA (gP). Begonias are invaluable for growing in beds and borders; also for pot culture, being perfect in habit, with very handsome foliage. Average height about 1 ft. The tuberous-rooted varieties produce gorgeous effects in the garden and are one of our best Summer-blooming plants. The seeds of all varieties should be started early. Pkt.

Single, Tuberous-Rooted, Mixed. **57420** 25

Double Tuberous-Rooted, Mixed. **57430** 50

Fringed Single Tuberous-Rooted, Mixed **57440** 25

gracilis luminosa. Dark scarlet, reddish brown foliage; Winter flowering; fine for pots **57460** 25

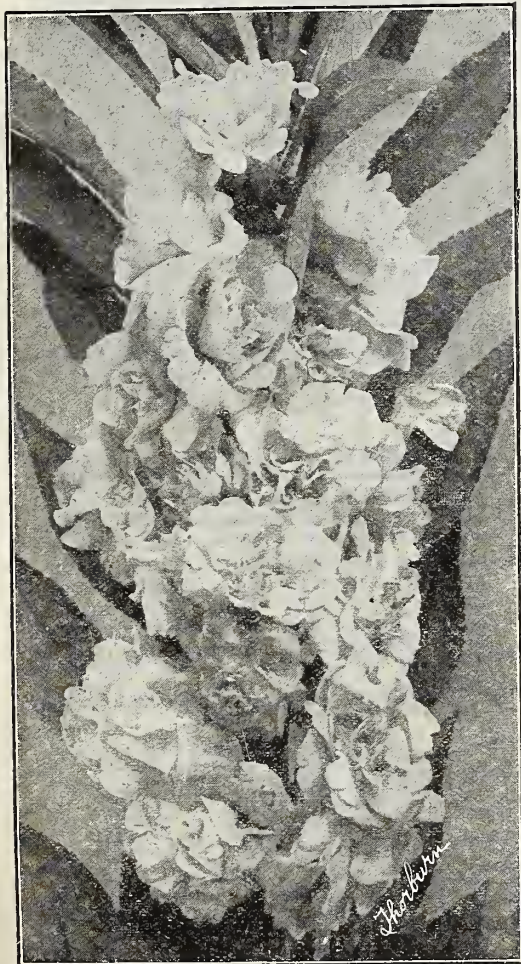
metallica. Metallic foliage, rose flowers; Winter blooming; 2 ft. . . **57470** 75

***Rex**. Ornamental-leaved varieties in mixture **57480** 25

semperflorens rosea. Rose-colored flowers; fine for edging. **57500** 25

" **alba**. White flowers borne in profusion. **57510** 25

" **Erfordii**. Rosy carmine; fine for groups . . **57520** 25



Double Balsam

BEGONIA—Continued

Pkt.

- semperflorens* Vernon. Red; for borders57540 25
 " Mixed57570 25

BELLIS perennis. See *Daisy*.

- BENINCASA cerifera* (tA). A black, wax-like gourd with yellow flowers; 6 ft.57610 10

- BIDENS atrosanguinea* (hA). Showy, like the *Calliopsis*; easily grown; flowers dark red; 2 ft.57630 10

BLUE BOTTLE. See *Centaurea cyanus*.

- **BOCCONIA japonica*. A very ornamental, hardy perennial; fine in large beds; flowers white; 6 ft.57650 10

BRACHYCOME. The well-known "Swan-River Daisy" is a beautiful, little, half-hardy annual; blooms all summer; fine for edgings and borders. Should be started in hotbed; 1 ft. Pkt.

- iberidifolia*. Blue57710 10
 " *alba*. White57720 10
 " *rosea*. Rose57730 10
 " Mixed57740 10

BROWALLIA (Amethyst). Half-hardy, profuse-blooming annual; highly prized for Summer bedding or as greenhouse plants. Fine for cutting; 2 ft. Pkt.

- elata*. Blue57780 10
 " *alba*. White57790 10
 " Mixed57800 10

- ‡*BRYONOPSIS laciniosa erythrocarpa* (tA). A very pretty ornamental gourd, with red flowers57830 5

CACALIA (Tassel Flower). Very pretty and most easily grown hardy annual, with tassel-shaped flowers; 1½ ft. Pkt.

- coccinea*. Scarlet57880 5
 " *lutea*. Orange57890 5

CACTUS (hhP). Mixed varieties. Seeds of these interesting plants should be started in the greenhouse in moist sand57900 25

- ‡*CALAMPELIS scabra* (‡hP). Fine climber for trellises; flowers orange scarlet; 10 ft.57920 10

CALANDRINIA. Brightly colored, little hardy annuals, fine for edgings; continuously in bloom, and do well in sunny situations; 6 in. Pkt.

- speciosa*. Purple57950 5
umbellata. Violet57960 10

CALCEOLARIA

The seeds are very small, and should be sown in the greenhouse on the surface of shallow boxes filled with a light, sandy soil, which has been sifted. Sow moderately thick in rows on the surface and cover very lightly with sifted Sphagnum Moss, Coconut waste or very light soil. Press the soil firmly on the seed. the watering should be done carefully; an atomizer or brush is best, to retain the moisture the box may be covered with a pane of glass which must be removed as soon as the plants appear. The soil should be light and rich.



Calendula officinalis Nankeen

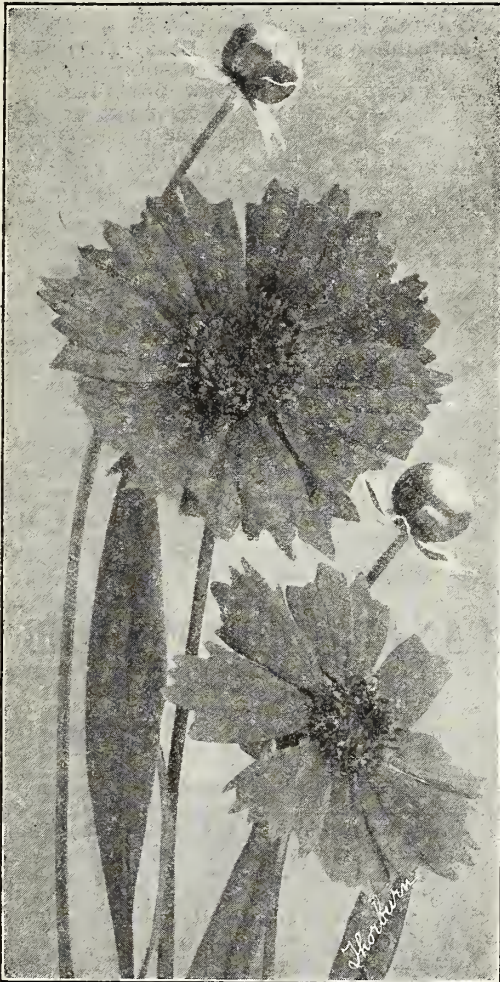
CALCEOLARIA—Continued

- hybrida*. Large flowered; self colored; 2 ft.57990 25
 " Large flowered; tigered or spotted; 2 ft.58000 25
 " Large flowered; dwarf; tigered; 1 ft.58010 25
 " Large flowered; tigered and self-colored; 2 ft.58020 25
pinnata (hA). Yellow; for bedding; 1 ft.58080 15
scabiosaefolia (Californica) (hA). Yellow for bedding; 1 ft.58100 10

CALENDULA Hardy annuals about 1 ft. high. Sow in the open early in Spring and the plants will bloom early in Summer. Calendulas have become very popular of late; the striking orange, red and yellow blooms are very effective and attractive, growing on stout, long stems. They are excellent for cutting, and are produced in great profusion, blooming until late in Autumn.

- officinalis* fl. pl. *grandiflora* (Orange King). Double; large flowered; deep orange.58160 5
 " fl. pl. *grandiflora sulphurea*. Double; light yellow; large-flowered58170 5
 " Sulphur Crown58175 5
 " Nankeen. A rich, soft shade of nankeen yellow; large flowers58180 5
 " Meteor. Creamy center, edged with orange; fine for cutting.58190 5

oz. 25c., 58190 5



Coreopsis Grandiflora

CALENDULA—Continued		Pkt.
<i>officinalis</i> Prince of Orange. Glittering orange and yellow. One of the best. oz. 25c.	58200	5
" <i>ranunculoides</i> (Garden Marigold). Orange; double flowers	58210	5
<i>pluvialis</i> (Cape Marigold). White or ivory	58220	5
Pongei fl. pl. Handsome, double, white flowers	58230	5
Mixed, All Sorts oz. 25c.	58240	5
See, also, <i>Marigold</i> .		

CALLIOPSIS This hardy annual is another of the garden's great forces in yellow, strengthened with rich red maroons and browns. Sow in the open ground in Spring, and, in thinning or transplanting, give the plants plenty of room to spread. Their tall slender habit makes neat staking and tying necessary. Fine for cutting.

bicolor (*Tinctoria*). Yellow brown; Pkt. 2 ft. 58290 5

CALLIOPSIS—Continued		Pkt.
<i>bicolor</i> Crimson King	58295	5
" <i>marmorata</i> . Maroon and gold; 1½ ft.	58310	5
" <i>nana radiata</i> (Ray of Gold). Golden yellow flowers; 6 to 8 in.	58320	10
<i>coronata</i> . Yellow; very fine; 1½ ft.	58340	5
<i>Drummondii</i> (Golden Wave). Golden brown; 1 ft.	58350	5
Mixed Annual Sorts oz. 40c.	58370	5

COREOPSIS (Perennial Calliopsis).

One of our finest hardy perennials; bloom practically all Summer; fine for borders and groups.

<i>grandiflora</i> . Large flowers of rich yellow; 2 ft.	58400	10
" Mixed.	58405	10
<i>lanceolata grandiflora</i> . Large, golden yellow flowers; fine for cutting	58410	10
" California Sunbeams. Flowers very large, in a great variety of beautiful forms and various shades of yellow and brown; 1 ft.	58420	10

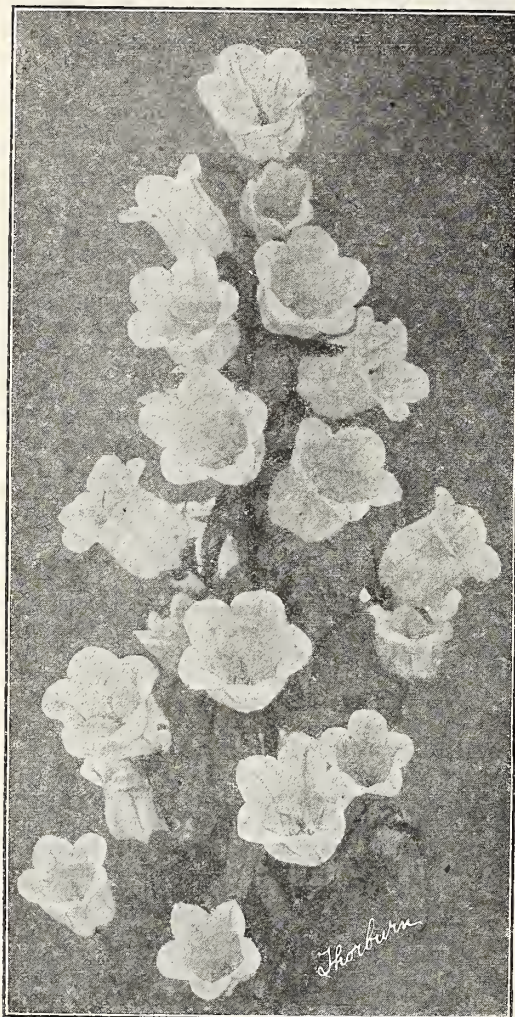
<i>CALLIRHOE pedata</i> (Poppy Mallow) (hA). Free-flowering, erect-growing variety; rosy carmine; 2 ft.	58460	5
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CAMELLIA JAPONICA. See *Tree Seeds*.

CAMPANULA and CANTERBURY BELLS.

Popular and beautiful are Campanulas. Although the Canterbury Bells are biennials they may also be treated as annuals, and will flower the first year from seed, if sown early in the Spring. For effect in the border plant them in clumps of separate colors, and they are beautiful when massed. The perennial varieties, treated as perennials, will flower most profusely by midsummer. The tall and stately growing kinds will be found of great value for the border, while the dwarf sorts make charming rock and edging plants. All the varieties like a rich, sandy soil with good drainage.

<i>carpatia</i> (hP). Deep blue; for rock-eries, beds and edgings; 6 in.	58530	10
" <i>alba</i> . Flowers white; 6 in.	58540	10
Medium <i>Single Blue</i> (Canterbury Bells) (hB). Blooms first year if sown early; 2 ft.	58560	5
" <i>Single White</i> . Pretty for contrasts	58570	5
" <i>Single Rose</i>	58580	10
" <i>Single Striped</i> . Very fine.	58590	10
" <i>Single Mixed</i>	58600	5
" <i>Double Blue</i> . Rich, heavy, curious flowers through Summer and Fall	58610	10



Campanula Medium Single

CAMPANULA—Continued

- persicifolia grandiflora*, Blue (hP). Pkt.
Superb, large flowers and long, narrow, peach-like foliage. For finest effects plant the blue and white varieties together; 2 to 4 ft. June and July58770 25
- " *grandiflora alba*. A white-flowered variety of the above, growing to the same height58780 25
- " *grandiflora*, Fine Mixed. 58790 25
- pyramidalis* (Chimney Bellflower) (hhP). Spikes 3 to 4 ft. tall, erect, pyramidal; flowers large and of a beautiful blue; blooms in late Summer and Autumn58800 10
- " *alba*. White58810 10
- " Mixed58815 10

See also *Platycodon*, page 115.†CANARY-BIRD FLOWER

- (*Tropæolum canariense*). Also Pkt known as Canary Creeper. Fine, half-hardy annual; yellow flowers; 10 ft.58860 10

CANDYTUFT (*Iberis*). The Candy-

tufts are among our best hardy annuals for edgings, bedding, massing or rockeries, and for cutting. Several of the varieties are fragrant, and all are profuse in bloom. Sow outdoors in April, and thin well when the plants grow about an inch. Sow again in a month, and late in July for Fall flowers. Give rich soil and water freely.

- affinis*. Neat and pretty bedder; 6 in. Pkt. 58870 5
- amara*. White; 1 ft.oz. 30c..58875 5
- coronaria* (Rocket Candytuft). Of candelabra form; flowers in upright spikes. oz. 30c..58880 5
- " *Empress*. White; 1 ft. ¼ oz. 20c., oz. 60c..58885 5
- " *Giant Hyacinth* - flowered. White flowers borne in large trusses58890 5
- " *Little Prince*. Very large heads of pure white flowers; fine for border and pots; 6 in.58895 10
- odorata*. Small, white, fragrant flowers58900 5
- umbellata*, Purple; 1 ft.58905 5
- " *carminia*. Bright carmine; 1 ft.58910 10
- " *carnea*. Flesh colored; 1 ft.58915 5
- " *Dunnetti*. Dark crimson; 1 ft.58920 5
- " *Elacina*. Lilac; 1 ft.58925 5

CAMPANULA—Continued

Pkt.

- Medium Double White. Waxy appearance58620 10
- " Double Rose58630 15
- " Double Mixed58640 10
- calycanthema* (Cup-and-Saucer) (hB). Blue; symmetrical; often has 35 to 40 flowers open at same time on a single plant. For pots or borders; 2 ft..58650 10
- " *alba*. A white flowered variety of the above. 58660 15
- " *rosea*. Rose; a very fine sort58670 15
- " Mixed. Shades of blue and white58680 10
- " Prize Mixture of all colors, Single and Double and *Calycanthemas*; an unequalled strain.58700 15

CANDYTUFT—Continued

Pkt.

- umbellata** Tom Thumb. White. 58932 5
 " Dwarf Hybrids. Mixed colors; 6 in. . . . 58935 10

Mixed Annual Sorts. .oz. 30c. . . 58940 5

PERENNIAL CANDYTUFT. Hardy evergreen plants, making a magnificent showing the second year from seed. They bloom very early, cushioning rock ledges, borders, etc., with banks of bloom. Sow outdoors in Spring or Fall in any sunny place.

sempervirens. White flowers remain fresh nearly a month; 1 ft. 58990 15

***CANNA** (Indian Shot) (hhP). One of our best bedding plants; beautiful, ornamental foliage and large, brilliant flowers. Much employed in subtropical gardening, groups on lawns and mixed flower beds. Soak the seed before planting; 4 ft. Pkt.

***Dark Leaved Sorts, Mixed.** . . . 59030 10

Indica Fine Mixed 59035 5

***Finest Mixed.** Crozy's hybrids; very fine 59050 5

CANNABIS gigantea (Giant Hemp) (hhA). A fine foliage plant for borders; 8 ft. 59070 5

CANTERBURY BELLS. See *Campanula*.

CARNATION (*Dianthus Caryophyllus*).

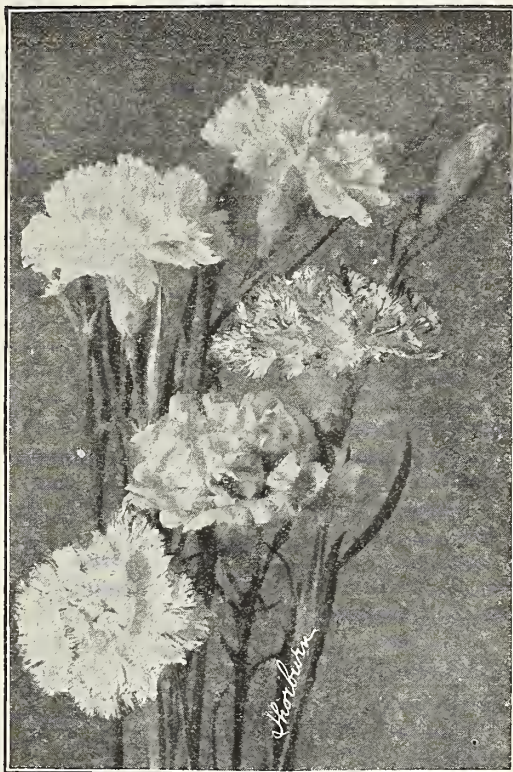
The splendid Carnation of the florist is a very interesting plant to grow from seed, and it is not over-exacting. Sown under glass in early Spring or later in the open ground the plants will flower finely the second Summer. For largest, richest flowers we recommend culture in pots of rich soil. With many they are also garden favorites, and grown in this way, flowers of good quality may be enjoyed all Summer if given plenty of water, good soil and a mulch about their roots. With the tall varieties staking and tying is necessary. Young plants are perfectly hardy outdoors, but when two or three years old they are injured by Winter cold, so that sowings should be made every year. *The more expensive sorts produce the finest flowers. The prices we quote, although seemingly high, are most reasonable for strains such as we offer.*

MARGARET CARNATIONS are an extra vigorous race, especially adapted for outdoor culture. They are very neat in habit, and remarkable for their rich profusion of flowers, produced five months from sowing. Grown as annuals from seed every Spring they are most satisfactory. Our seed of these varieties is grown exclusively in the famous Chabaud Garden of Carnations, Provence, France.

Double White. Large, perfect flowers; 1½ ft. 59120 10

Double Yellow. A clear, soft shade; 1½ ft. 59130 25

Double Mixed. 1½ to 2 ft. oz. \$1.50. . . 59140 10



Carnation, Thorburn's Margaret

CARNATION—Continued

Pkt.

Giant Margaret. Extra large and perfect, flowering in a rich variety of colors; 80 per cent. of the flowers generally come double. A splendid sort for cutting; 1 ft. 59150 25

PERPETUAL CARNATIONS. This race has large, elegantly formed flowers, continually abloom, upon closely branched, symmetrical plants, often called, from their neat habit, Tree Carnations. Pkt.

Chabaud Perpetual Double. Mixed—yellow, red, white, etc.; 1½ ft. Blooms in six months . . . 59160 25

Comtesse de Paris. Very dwarf; yellow; comes true from seed. 59180 50

Jeanne Dionis. Enormous flowers of the purest white and most perfect form 59190 75

Sparkling (Etincelant). Large flowers of bright, glittering red, of surpassing richness 59200 50

Giant Perpetual Fine Mixed. Enormous flowers; perfectly double; splendid colors 59240 50

American New Varieties. Saved from best sorts; large flowers on long stems 59255 50

BORDER CARNATIONS, etc. We invite attention to the splendid collection below:

Red Grenadine, Double. Brilliant scarlet; 2 ft. 59270 25

CARNATIONS, Border, etc.—Continued

Pkt.

Early Dwarf Vienna. Double Mixed.

Fine for garden culture and for cutting; 1 ft.

59290 15

" " " **Double White.**

Very fine; always comes true white.

59300 15

Fine Double Mixed, Variegated.

Splendid mixture59340 15

Double Mixed59370 10**CASSIA artemisioides (Senna) (gP).**

A very pretty shrub, with finely cut, silvery foliage and yellow flowers; sweet scented; will stand drought very well; 4 ft.59430 15

CASTOR-OIL PLANT. See *Ricinus*.**CATANANCHE.** Pretty, hardy perennials with everlasting flowers. Free flowering; easily grown, blooming first season; 2 ft.

Pkt.

cærulea alba (bicolor). Blue and white59480 5*cærulea*. Blue59490 5**CATCHFLY.** See *Silene*.**CELOSIA** (Cockscomb).**CRISTATA.** An annual of easy culture. They are most effective in the border. Transplanted into a rich soil about the time the combs begin to form make the

CELOSI—Continued

flower heads much larger, and they last from Midsummer till closed by frost.

Pkt.

Glasgow Prize. Dark leaves and crimson combs; fine for solid beds and for edgings; 1 ft.59520 10**Dwarf Bright Red.** A miniature plant, with enormous combs of intense bright red.59530 10" **Crimson**59540 10" **Dark Yellow.** Yellow combs. 59550 10" **Light Yellow**59560 10" **Mixed.** Extra large combs in all the above colors.59570 10**Tall Mixed.** Very fine.....59575 10**PLUMOSA** (Plumed, or Ostrich-feather Cockscomb). Beautiful annual foliage plants, blooming in late Summer and Autumn, and producing large, showy plumes, curled and curved, much resembling ostrich feathers. Elegant for beds and borders; 2 to 3 ft.

Pkt.

Ostrich-Feather, Crimson....59590 10" " **Orange**59600 10" " **Finest Mixed**.59605 10**Pride of Castle Gould.** Handsome, compact, feathery plumes. In shades of blood reds, carmines, yellow and orange59620 25**Thompsonii.** Feathered; red; superb59635 15" **magnifica, Yellow.** 59638 15" **magnifica, Mixed.** Superb assortment of the plumed varieties. 59640 15**Pompon** (Chinese Woolflower). Brilliant scarlet; quite distinct. 59680 10**CENTAUREA** The popular Cornflower (*Centaurea cyanus*), is also known as Blue Bottle, Ragged Sailor, Kaiser-blumen, and sometimes as Bachelor's Button. Bright-flowered plants of the hardiest nature and simplest culture, among the most attractive and graceful of all the old-fashioned flowers. The perennial sorts increase rapidly and bloom profusely.**PERENNIAL FLOWERING.** A dry, sandy soil of moderate fertility seems to suit them best, keeping up a profusion of bloom all Summer.

Pkt.

macrocephala. Flower heads large, showy, bright yellow; 3 ft..59720 10**montana, Blue.** Large-flowered perennial Cornflower.59725 10" **alba. White**59730 20**PERENNIAL, SILVER - LEAVED.**

These are used for borders or edgings, and thrive anywhere. Flowers white, leaves grayish; half hardy; height 1 ft.

candidissima. Silvery white leaves. Pkt. 59740 10

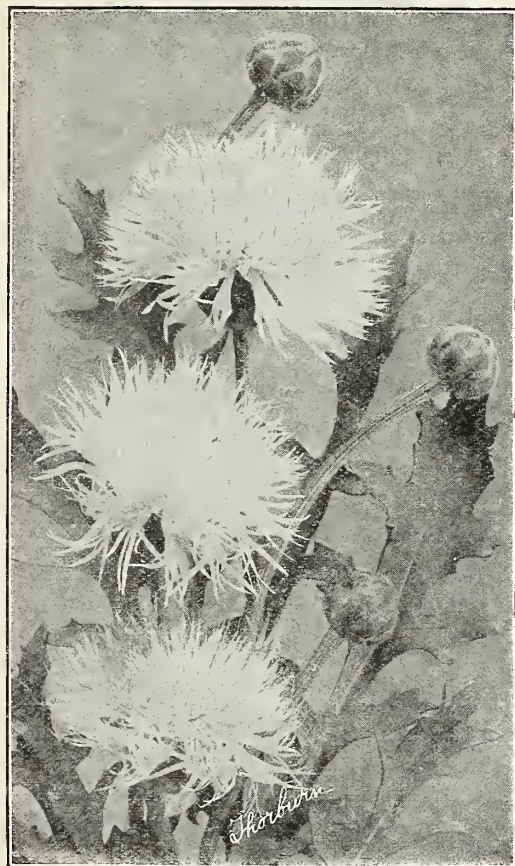
Celosia Plumosa

CENTAUREA, Perennial—Continued		Pkt.
<i>gymnocarpa</i> . Silvery white, small leaves	59760	10
HARDY ANNUALS. Flower finest in full sun and thin soil. Sow in open ground in Spring; 1½ to 2 ft.		
<i>americana</i> . Large, lilac-purple flowers; bushy plants; very fine; constant and profuse bloomer.		Pkt.
	59780	10
<i>alba</i> . Pure white	59785	15
<i>imperialis</i> (Giant). A hardy annual of great beauty; the fluffy flowers borne on long, stiff stems. Yellow, mauve, lilac, rose and white in color, are very beautiful. They are splendid for cutting, and the cut blooms, if placed in water, are very lasting.		Pkt.
White. Very large flowered, hardy and floriferous	59790	10
Purple. Beautiful, velvety purple.	59798	10
Lilac. Very large flowered; hardy. The same as the white, except in color	59810	10
Rose. Charming, glowing rose.	59818	10
Yellow. Bright yellow flowers; very fine for use as cut-flow-ers	59830	10

CENTUREA, Hardy Annuals—Continued		Pkt.
Mixed. Very large flowered; hardy	59840	10
<i>odorata</i> , <i>Margarite</i> . Pure white; 2½ in. across; lacinated and scented; forms stocky, well budded little bushes; 1½ ft.	59880	10
<i>moschata atropurpurea</i> (Purple Sweet Sultan). Large flowers on long stems.	59900	10
" <i>atropurpurea alba</i> (White Sweet Sultan) ..	59910	10
" <i>rosea</i> . Rose Sweet Sultan.	59920	10
" <i>atropurpurea</i> , Mixed. (Mixed Sweet Sultan).	59930	10
<i>sauveolens</i> (Yellow Sweet Sultan). Fine.	59950	10
<i>Cyanus</i> (Cornflower). Blue; delightful, old-fashioned flowers, blooming profusely all Summer; borne on long, stiff stems, and fine for cutting; 1 to 2 ft. oz. 30c.	59970	5
" <i>Emperor William</i> . Blue; one of the finest of all Cornflowers, and much used for cutting. oz. 40c.	59980	5
" <i>Double Blue</i>	59985	15
" <i>Rose</i> . Distinct shade; flowers borne on long stems; good for cutting ...	60010	5
" <i>Victoria, Dwarf Compact</i> . For pots and edgings; azure blue; 9 in.	60020	10
" <i>Pure White</i> . Very fine.	60030	5
" <i>White with blue center</i> .	60035	10
" <i>Mixed</i> oz. 30c.	60040	5
" <i>Double Mixed</i> . ¼ oz. 25c., oz. 80c.	60050	5
" <i>Mixed Dwarf Hybrids</i> . ¼ oz. 25c., oz. 80c.	60060	10
Collection of 5 varieties <i>Centaurea imperialis</i>	60065	35
Collection of 4 varieties <i>Centaurea Moschata</i>	60068	30
Collection of 6 varieties <i>Centaurea Cyanus</i>	60070	40
CENTAURIDIUM Drummondii (hA). Pretty, little, composite yellow flowers; 1½ ft.	60100	5

CENTRANTHUS Very pretty, free-flowering annuals, suitable for rockeries, vases and the garden border; 1 ft.

		Pkt.
<i>macrosiphon</i> . Red	60120	5
" <i>nanus</i> . Red; dwarf; ½ ft.	60130	5
" <i>nanus albus</i> . White.	60140	5
" <i>Mixed</i>	60150	5



Centaurea Imperialis

CERASTIUM (Snow-in-Summer). Pretty, silver-leaved, trailing, hardy perennials; fine edging plants, also for rockeries; 6 in.

tomentosum. White Pkt. 25
Biebersteini. White Pkt. 25

CHELONE. Beautiful decorative hardy perennials; worthy of a place in every garden; 2 to 3 ft.

barbata, *coccinea*, *Scarlet* Pkt. 10
 " *hybrida* *Mixed* Pkt. 10

CHRISTMAS ROSE. See *Helleborus*.

CHRYSANTHEMUM Do not confound

these annuals with the Winter-flowering sorts of the florists. They bloom profusely from early Summer until frost, and, when grown in large beds or masses their bright colors make a splendid show. The plants can be brought into bloom early by sowing the seeds in frames or window-boxes, and afterwards transplanting to the garden; or seed may be sown where the plants are to flower, if the seedlings are thinned to 8 to 10 inches apart. Pinching back in early growth makes the plants bushy and shapely. Average height, 1 to 1½ ft.

coronarium, *Double sulphureum*. Pale yellow Pkt. 5
 " *Double Yellow*. Golden yellow; splendid.. Pkt. 5



Chrysanthemum tricolor

CHRYSANTHEMUM—Continued Pkt.
coronarium, *Double White*..... Pkt. 5
 " *Double Mixed*. Yellow, white, etc. oz. 50c... Pkt. 5

tricolor. The tricolor sorts have beautiful rings and eyes of various colors, and are distinctively handsome, with long stems.

" *Burridgeanum*. Crimson maroon, with white edge and inner circle; brilliant and showy. Pkt. 5

" *Eclipse*. Yellow, with velvety brown band Pkt. 10

" *Golden Feather*. Foliage rich yellow; flowers bright red and white on long stems.

60470 5

" *Scarlet*. Dark and rich. 60490 5

" *Yellow* 60500 5

" *White* 60510 5

" *Single Mixed*. All colors.

¼ oz. 20c., oz. 60c... 60520 5

" *Double Golden* (Dunnett). 60530 10

" *Double White* (Dunnett). 60540 10

" *Double hybridum*, *Mixed* (Dunnett) 60550 10

" *Double Golden-leaved* Sorts. A mixture of beautiful, yellow-leaved sorts; flowers of various bright, vivid colors. 60560 10

" *Single and Double Mixed*. ¼ oz. 25c., oz. 80c... 60570 5

" *Double Mixed*. ¼ oz. 40c., oz. \$1.25.. 60580 10

frutescens (Paris Daisy, or Marguerite). (gP). Beautiful for cutting and pot culture; long-stemmed, single, white flowers, with golden centers. A favorite variety with florists 60610 10

inodorum, *Double*. Pretty, white flowers, carried on long, stiff stems; fine for cutting; 1 ft. 60620 10

Leucanthemum (Shasta Daisy) (hP). Extra large flowers, with pure white petals and brilliant, golden yellow center; 2 to 2½ ft. 60630 10

Leucanthemum Secundum. (June Marguerite). Flowering in succession to The Shasta Daisy 60635 15

segetum, *Morning Star*. Large, yellow flowers; for cutting. 60650 5

" *Helios*, *Evening Star*. Fine for cutting; pure golden yellow flowers of gigantic size, borne on long stems. 60660 5

Collection of 6 Varieties *Chrysanthemum tricolor* 60690 50

PERENNIAL VARIETIES. This section includes the large-flowered sorts, and the pretty, hardy Pompons that make bright masses of color in our gardens long after heavy frosts have cut down other flowers. We wish to make quite clear the distinction between this class and the Annual *Chrysanthemums* de-

PERENNIAL CHRYSANTHEMUM—Continued

scribed above, so that, as has sometimes happened heretofore, customers may not order seed of the Summer-blooming garden varieties, expecting them to yield the grand show flowers of late Fall, which are obtained from cuttings carefully cultivated. For ordinary culture and room decoration plants pinched back to form a number of branches, and holding from five to ten flowers are satisfactory. Average height of show kinds, 3 ft.

indicum, Double. Will produce superb flowers of different types and colors; fine for forcing and cut-flowers. Pkt.

60730 25
" **Pompon.** The pretty, hardy dwarfs, with bright, clustered flowers, which brighten up the garden late in Autumn; 1½ ft.

60740 25
japonicum fl. pl. From finest flowers.
Double. An extra choice mixture, including many of the finest large-flowering sorts **60750 50**

CINERARIA

One of the most useful and ornamental of greenhouse plants, with flowers of the richest and most brilliant colors and shades, and of the finest texture. It is rather a difficult plant to grow if its requirements are not understood. The mistake generally made is in growing it in a warm house instead of a cool one. The seed should be started in the greenhouse. For Winter blooming sow in

CINERARIA—Continued

April and May in shallow boxes, in fine soil; drop the seed in shallow drills, cover, and press the earth rather firmly with a piece of board or the bottom of a pot. Set the box where it will get the morning sun, water moderately and carefully. Average height, 2 ft.

Large-flowered, Flesh Colored, Mixed. Pkt.

60810 50
" " **Matchless.** An excellent new strain containing many new colors.

60815 60
Large-flowered, Stella, Mixed. Twisted

and fluted petals; large flowers of very rich and bright colors **60820 50**

" " **White. Handsome.** **60830 25**

" " **Prize Mixed. Magnificent strain** ... **60840 60**

" " **Half Dwarf, Prize Mixed**
Exquisite; 1 ft. **60850 60**

Splendid Mixed. All fine sorts. **60860 25**

" " **Double** **60870 60**

stellata (Polyantha). Mixed .. **60880 25**

hybrida, extra choice Mixed ... **60890 50**

HALF-HARDY PERENNIALS. Require some protection.

maritima (Dusty Miller). Silvery leaves **60910 5**

" **candidissima.** Beautiful white foliage; the best. **60920 10**

" **Diamond.** Pure white foliage; very fine **60930 10**

CLARKIA

One of the prettiest and showiest of hardy annuals that bloom freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight; useful for hanging baskets, vases and as edgings to beds of larger growing plants. Sow outdoors in early Spring and grow in partial shade. The plants keep up a continuous bloom through Midsummer to late Autumn; average height, 1½ ft.

elegans alba, Double. Pkt.
White .. **60960 10**

" **rosea. Rose.** **60970 5**

" " **Double, Rose.** **60980 10**

" **Salmon Queen.**
Salmon pink. **60983 10**



Cineraria Hybrida

CLARKIA—Continued

<i>elegans</i> Scarlet Queen. Orange-scarlet.	Pkt.
60985	10
" Single Mixed	5
60990	
" Double Mixed	5
61000	
" Double and Single Mixed.	5
61010	
<i>pulchella</i> alba. White	5
61030	
" Red	5
61050	
" White Tom Thumb ..	5
61060	
" Single Mixed	5
61070	
" Double and Single Mixed.	5
61080	

CLARY (*Salvia Horminum*). Pretty, hardy annuals for beds and borders; 1½ ft.

Purple-Top. Purple	5
61110	
Red-Top. Red	5
61120	
White-Top. White	5
61130	

†CLEMATIS (*Virgin's Bower*). Excellent, hardy climbing perennials for trellises, arbors, verandas, etc. Do well in most locations.

<i>crispa</i> . Pale purple; floriferous; 10 ft.	Pkt.
61160	25
<i>flammula</i> . White, sweet scented. 25 ft.	10
61170	
<i>paniculata</i> . White, fragrant, very free blooming; 10 to 20 ft.	10
61180	
Jackmani Hybrids, Mixed. Collection of the best colors; 10 to 15 ft.	25
61190	
For other sorts, see <i>Tree Seeds</i> , page 67.	

CLEOME. Curious, ornamental, hardy annual, on Castor Oil-Plant style. Blooms freely in sandy soil.

<i>pungens</i> (Giant Spider Flower). Pink. 3 ft.	Pkt.
61210	10

CLINTONIA (*Downingia pulchella*). Very pretty border annual; flowers freely in purple, white and yellow (tricolor); fine for edgings; 6 in.

†COBAEA Tender climbing perennials of rapid growth; 20 ft.

<i>scandens</i> . Purple, bell-shaped flowers	Pkt.
61330	10
† " alba. White	15
61340	

COCKSCOMB. See *Celosia*.

***COLEUS** (gP). Splendid bedding plants; with beautifully colored foliage, very useful for decorative purposes; 2 ft.

Fine Hybrids, Mixed	Pkt.
61410	25
Finest Mixed Large-leaved	50
61420	

COLLINSIA Free-flowering annuals. If sown in Autumn, will stand the Winter and flower early in Spring. All the species are brightly col-

COLLINSIA—Continued

ored, and excellent for growing in patches or clumps; easily grown in any garden soil; 1 to 1½ ft.	Pkt.
bicolor. Lilac and white	5
61490	
" alba. White	5
61500	
<i>grandiflora</i> . Blue	5
61520	
multicolor. White, violet and lilac.	5
61530	
<i>verna</i> . Light blue and white...	5
61550	
Mixed	5
61560	
COLLOMIA . Hardy annuals suitable for massing; fine for bees.	Pkt.
<i>coccinea</i> . Scarlet and yellow; 1 ft.	5
61590	
<i>grandiflora</i> . Yellow; 2 ft.	5
61600	
COLUMBINE . See <i>Aquilegia</i> .	
COMBLYNA . Showy, half-hardy perennials; favorite plants for pots and gardens; 1½ ft.	Pkt.
<i>cælestis</i> . Blue	5
61630	

CONVOLVULUS

TALL. Beautiful and easily grown annual; rapid in covering screens, trellises, etc.

<i>Aureus superbus</i> (hhA). Golden yellow; 5 to 10 ft.	Pkt.
61680	10
<i>major</i> (Tall Morning Glory). Mixed. Finest colors; 10 ft. up.	5
oz. 20c..	61690
<i>mauritanicus</i> (hP). Blue; trailing habit; fine for baskets and rockeries	10
61700	
For Japanese Morning Glory, see <i>Ipomæa</i> .	

DWARF. Dwarf Morning Glories are most elegant annuals for growing in clumps or beds; also for edgings and hanging-baskets; very bushy; of easiest culture; bloom all season; 12 in.

<i>tricolor</i> (minor). Blue	Pkt.
61730	5
" Crimson-violet	5
61740	
" Rose	5
61750	
" unicanlis. Purple ..	5
61760	
" White	5
61770	
" Mixed .....oz. 25c..	5
61780	

CORDYLINE. Beautiful greenhouse plants, fine for pots or summer bedding, especially good for vases.

<i>Australis</i> . Dark green foliage; 3 ft.	Pkt.
61820	15
<i>indivisia</i> . Narrow green leaves; 4 ft.	10
61830	
See also <i>Dracæna</i> .	

COREOPSIS. See *Calliopsis*.

CORNFLOWER. See *Centaurea Cyanus*.

COSMIDIUM Burrigeanum. Very showy, hardy annuals of easy cultivation; flowers velvety brown; 2 ft..



Cosmos, Early Flowering Mixed

COSMOS, Mammoth—Continued

Rosita. Pink.	Pkt.
$\frac{1}{4}$ oz. 20c., oz. 60c...	10
Mixed .. $\frac{1}{4}$ oz. 20c., oz. 50c...	10
Klondyke. Orange colored; distinct foliage	25
Marguerite. Petals deeply and irregularly fringed; in various bright colors. An attractive flower ..	10
Striped. Charming and distinct; large, white centers, and petals deeply striped white	10
Tints of Dawn. Handsome, white flowers, slightly tinged with rose.	10
62040	10

COWSLIP (*Primula officinalis hybrida*)

(hP). Favorite Spring flower; fragrant; mixed colors; 6 in.... 62080 10

Yellow 62085 10

‡**CUCUMIS.** Very luxuriant, half-hardy, climbing annuals of extremely rapid growth; bearing curious fruits; flowers yellow; 10 to 15 ft.

flexuosus (Snake Cucumber) .. 62140 Pkt. 5

grossulariaefornis (Gooseberry Gourd). 62150 10

CUCURBITA. See *Gourds*.

‡**CUPHEA.** Pretty half-hardy perennials; fine border and pot-plants; 1 to 1½ ft.

platycentra (Cigar Plant). Long-shaped, scarlet flowers all Summer. 62210 10

Rœzlii. Red 62230 25

CYCLAMEN

These bulbous greenhouse plants are all

very beautiful and are unapproached among Winter-flowering plants for duration of bloom, variety of shades, and wealth of coloring. They are among the best plants recommended for house culture, as they thrive well and bloom profusely in the average temperature of the living room. Sow the seed in small boxes or seed pans in a compost of well rotted manure, leaf mold and sand, in the early Winter months. Cover lightly with moss, which should be kept moist and should be removed after the seed germinates. Prick out into small pots when the young plants have two leaves. If grown steadily without any check, they will flower in from ten to twelve months. Average height 9 in.

Persicum giganteum album, Mont Blanc. White.	Pkt.
62300	25
" " alba - rubrum. white with red eye. 100 seeds \$1.	
62310	25
" " atropurpureum. Dark red.	
62320	25
" " Princess May. Purest white, tipped crimson; very handsome.	
62340	25

COSMOS

One of the notable Fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness, heightened in effect by their foliage setting of feathery green. It is most effective when planted in broad masses, or long background borders against evergreens or fences. We offer only the choice, large-flowering strains. To make sure of flowering early *Cosmos* should be started indoors and transplanted into dry, sandy or poor soil, in a sunny situation.

THORBURN'S NEW EXTRA EARLY FLOWERING. Rose pink and shell pink 61870 25

EARLY FLOWERING. If seed is started early in the house or frame, this fine strain will produce flowers a month earlier than Mammoth Perfection.

Crimson 61880 10

Pink 61890 10

White 61900 10

Mixed .. $\frac{1}{4}$ oz. 25c., oz. 75c... 61910 10

Lady Lenox. Lovely, large, shell-pink flowers of great substance. One of the finest of *Cosmos*. 61920 10

Lady Lenox. White, counterpart of above, except as to color 61925 15

MAMMOTH PERFECTION. Large flowers on long stems, lasting until frost.

Conchita. Crimson. $\frac{1}{4}$ oz. 20c., oz. 60c... 61930 10

Erlinda. White. $\frac{1}{4}$ oz. 20c., oz. 60c... 61940 10

CYCLAMEN—Continued

	Pkt.
<i>Persicum giganteum roseum</i> . Rose.	
62350	25
" " Rosy Morn. Rich	
rose, shading	
to purplish	
tinge ... 62355	25
" " Salmon Queen.	
Salmon; very	
fine ... 62360	25
" " Mixed. Finest	
sorts. ... 62380	25
" " Covent Garden	
strain. Mixed.	
62370	25
" Papilo, Mixed (Butterfly Cy-	
clamen) ... 62400	25
" Mixed ... 62410	10
CYPERUS <i>alternifolius</i> (Umbrella	
Plant). A perennial grass-like plant	
of fine habit; grows well in water	
and damp places; 2 ft. ... 62450	15
CYPRESS VINE. See <i>Ipomœa Quamoclit</i> .	

†DAHLIA This favorite, half-hardy	
perennial is most easily	
grown from seed sown early in the house	
or greenhouse. Will bloom freely out-	
doors until frost the first season; 3 to	
6 ft.	Pkt.
Double Mixed ... 62480	10
Single Mixed ... 62490	10
Single Cactus, Mixed ... 62500	10
Double Cactus, Mixed ... 62505	25
Single Collar (Collarette). Mixed.	
62510	10
<i>variabilis</i> , Giant Hybrids, Double...	
Mixed ... 62550	10
<i>variabilis</i> , Single Dwarf, Striped. 62555	10



Single Dahlias

DAISY (*Bellis perennis*, etc.) (hP).

May be sown in February or March in shallow boxes of light, rich soil, covering the seeds to about three times their own thickness, and pressing soil firmly over them. Keep in a warm window, hotbed or greenhouse. When well out of the seed leaf transplant to new boxes, and set out in the open ground when danger from frost is past. Or, sow in beds outside in August or September; protect with straw or litter over Winter, and transplant to their permanent position in the Spring. They make delightful borders to beds of taller-growing annuals and can be used very effectively in beds of Spring-blooming bulbs; 4 in.

	Pkt.
Double Red ... 62590	10
" <i>Delicata rosea</i> 62595	10
" Rose (Longfellow) ... 62600	10
" White (Snowball) ... 62610	10
" Mixed. Very fine ... 62620	10
" <i>maxima alba</i> . Extra large.	
White ... 62630	15
" <i>maxima rosea</i> . Extra large. 62640	15
" <i>maxima</i> , Mixed. Extra large.	
62650	15
" <i>monstrosa alba</i> . Snowy white	
flowers ... 62652	25
" <i>monstrosa rosea</i> . Deep rose.	
62654	25
" " Mixed ... 62660	25
Shasta Daisy. See <i>Chrysanthemum</i>	
<i>Leucanthemum</i> .	

DAISY (Paris Daisy). See *Chrysanthemum frutescens*.

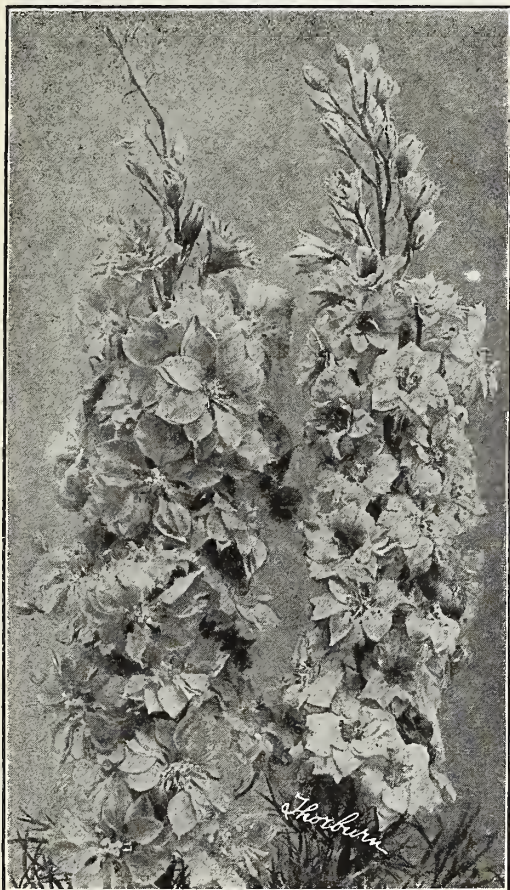
DAISY, Swan River. See *Brachycome*.

DATURA. Showy, half-hardy annuals of rapid growth, with large, trumpet-shaped, fragrant flowers; 3 ft.

	Pkt.
<i>cornucopia</i> (Horn of Plenty). Violet;	
immense flowers ... 62740	5
<i>fastuosa</i> , Double White ... 62750	5
" Double Purple ... 62760	5
<i>humilis flava</i> , fl. pl. Double Yellow.	
62780	10
<i>meteloides</i> (Wrightii). White and	
lilac. ... 62790	5

DELPHINIUM (Larkspur). In va-

riety and beauty of its blue tints which are as numerous as they are charming, no other plant can equal the Delphinium. The brilliant flowers are strongly effective in beds or masses, in borders, shrubberies, or in combination with white lilies. Improvements are continually being made in the size of the flowers, as well as in the length and fulness of the spikes. Some of the species flower both early and late; the season for all can be prolonged by cutting away withered flower-stems. All varieties are easily cultivated and adaptable to many conditions, but in a soil deeply dug and well enriched with fine old manure, their blooms are the finest. Setting them 1½ to 2 ft.



Delphinium (Larkspur), Tall Rocket

DELPHINIUM—Continued

Pkt.

Ajaxis Ranunculus - flowered.

Double; colors fine; 2 ft.

62850 5

" **Tall Branching.** Flesh-color;

2 ft. 62860

5

" " " White, beautiful for cutting.

62862 10

" " " Choice mixed;

2 ft. ¼ oz. 20c., oz. 60c. 62870

5

cardiopetalum. Beautiful blue flowers; 1 ft. 62880

5

Emperor Branching Rose. This and the next are splendidly bright and showy, often giving ten to twenty erect spikes of flowers; 2 ft.

62890 10

" **Branching White.** Beautiful for cutting. ... 62900

10

" **Branching, Mixed.**

¼ oz. 20c., oz. 60c. 62910

10

Newport Rose. A rose-colored and very beautiful, free-flowering sort. If sown outdoors in Spring, it will bloom by the first of August; 2 ft. 62920

10

PERENNIAL VARIETIES. These are usually taller than the annuals, requiring more space between the plants. If sown in the Fall or very early Spring, nearly all will bloom the first season. Foliage clean and pretty; habit strong and neat; flower-spikes long and dazzling.

Pkt.

Barlowi. Large, dark blue flowers; extra fine; 3 ft. 62930

25

Belladonna. Lovely pale blue; handsome plant; comes very true from seed; 4 ft. 62940

15

cardinale. Orange-scarlet; a California native; 2 ft. 62960

25

chinense, Mixed (C. grandiflorum).

Large flowers, ranging from pure white to indigo-blue. Young seedlings will bloom from Midsummer until frost; 2 ft. 62980

10

chinense azureum. Beautiful distinct shade of blue; 2 ft. 62990

10

elatum, Blue (Bee Larkspur). Soft, clear blue; tall spikes; 3 ft. ... 63000

10

" **hybridum, Finest Mixed.**

Very showy ... 63010

10

" **hybridum, Finest Double**

Mixed 63020

25

formosum. Brilliant blue, white center; especially fine; 3 ft. 63030

25

New Large Hybrids, Mixed. All shades of blue from best named single-flowering varieties; 3 ft.

63060 25

nudicaule. The only pure bright scarlet. Dwarf and compact in growth, with flower-stems of fine length; 1 ft. A native of California. 63070

30

DELPHINIUM—Continued

each way is not too much for the taller sorts.

ANNUAL VARIETIES. These include the Rocket or Hyacinth-flowered, so called from their long, narrow flower spikes. They bloom best in a rather cool, moist soil. Sow seed in the open border, either in Spring or Fall, preferably the latter, so that germination may take place very early in the Spring. As the seedlings grow, thin them to stand 6 to 18 in. apart, according to variety. The varieties are seldom kept separate, as they are quite as pretty and convenient for cutting when sown in mixture. Some of these are really hardy biennials, but, because they bloom the first season, we treat them as hardy annuals. The shades of color cover a very wide range.

Pkt.

Ajaxis, Dwarf Rocket. Finest colors; very beautiful for bedding; 1 ft.

oz. 40c. 62810

5

" **Tall Rocket.** Rose-pink; 2 ft.

62820

5

" " **White;** 2 ft. 62830

5

" " **Mixed colors;** 2

ft. 62840

5

DELPHINIUM, Perennial Varieties—Continued

Zalil (sulphureum) (hP). Long
spikes of yellow flowers; 2 ft. Pkt.
8
63090 30

DENDROMECON rigidum (California
Yellow Tree Poppy). An easily
grown greenhouse shrub with yellow
flowers; 2 ft. **63250** 25

DIANTHUS. See *Pinks, Carnations* and
Picotees.

DICTAMNUS (Gas Plant). Ornamental
hardy perennials; can remain for years
undisturbed; the leaves, when rubbed,
have a lemon odor; 3 ft. Pkt.

Fraxinella. Red **63290** 10
" albus. White **63300** 10

DIGITALIS. See *Foxglove*.

DIMORPHOTHECA (African
Orange

Daisy). Easily grown, hardy annual of
great beauty; 12 to 15 in. in height, and
bushy. Pkt.

aurantiaca. Orange; very fine. **63340** 10
" **hybrida.** New fine varieties,
mixed **63350** 10

DOLICHOS Very rapid - growing
hardy annual climber,
bearing Pea-shaped blossoms and orna-
mental seed pods. Fine for covering
screens, etc.; 10 ft. Pkt.

Lablab (Hyacinth Bean). Purple.
oz. 30c. . . **63390** 5

" albus. White .. oz. 30c. . . **63400** 5

" Mixed oz. 30c. . . **63410** 5

Japonicus (Daylight). White, very
fine **63430** 10

Purple Soudan. Purple flowers in ra-
cemes; good foliage **63440** 5

***DRACÆNA.** Ornamental greenhouse plants;
fine for pots, vases, or beds.

***Australis.** Dark green foliage; 3 ft.
63495 15 Pkt.

***indivisa.** Narrow green leaves; 4 ft.
63500 10

DRACOCEPHALUM moldavicum
(Balm). An easily grown hardy an-
nual; blue flowers; fine for bees; 2
ft. **63520** 5

ECHEVERIA. Interesting greenhouse suc-
culent plants extensively used for "car-
pet" bedding; bluish green leaves; 3 to
6 in. Pkt.

metallica. Yellow **63590** 25

†ECHINO CYSTIS lobata (Wild Cucum-
ber). A rapid-growing annual
climber **63620** 5

ECHINOPS Ritro. A hardy perennial of
stiff growth; flowers blue; fine for
bees; 2 ft. **63630** 10



Dimorphotheca aurantiaca hybrida

ELSHOLTZIA cristata. Hardy annual;
flowers lilac; a good plant for bees;
1½ ft. **63650** 5 Pkt.

EMMENANTHE penduliflora (California
Golden Bells). A bushy-growing,
hardy annual, with long-lasting yel-
low flowers; 1 ft. **63670** 25

ERICA (Heath). Charming greenhouse
shrubs. **63730** 25

ERIGERON aurantiacum (Double Or-
ange Daisy). Handsome free-flow-
ering hardy perennial; 1½ ft. **63750** 10

ERODIUM moschatum. Pretty; little
hardy annual; good for borders;
purple flowers; 3 in. **63790** 5

ERYNGIUM. Extremely ornamental, hardy
perennials, well adapted for the garden
border. Pkt.

giganteum (Silver Thistle). Blue; 4
ft. **63820** 10

ERYSIMUM. Free-flowering, hardy annuals
of neat habit and bright colors; style of
wallflowers; 1 to 1½ ft. Pkt.

arkansanum. Yellow **63840** 5

Perofskianum. Orange **63850** 5



Eschscholtzia Thorburni

ESCHSCHOLTZIA Commonly called California Poppy. The state flower of California. This much esteemed hardy annual is very bright and rich in its pure tints of yellow, orange, etc. The plants average about a foot in height, with silvery foliage, and produce their large, Poppy-like flowers from early Spring until frost. They are most effective when grown in beds of considerable size, over which the seed may be sown broadcast thinly, and lightly raked in. These sowings may be made early in Spring or late in Autumn for earlier germination, blooming the next Spring. Useful as a pot-plant and for cut-flowers.

	Pkt.
THORBURNI. Coppery orange; the effect of a plant in bloom is simply gorgeous; the flowers are larger than those of other Eschscholtzias, and are borne with equal profusion; finest of all. (See cut.)	63900 10
californica. Rich yellow.	
oz. 50c.	63910 5
" alba. Creamy white.	63920 5
" alba fl. pl. Fine sort, with double, creamy white flowers	63930 10
" Burbank's Crimson-flowering. Crimson	63940 10
" Carmine King. Carmine-rose; beautiful	63950 10
" Rose-Cardinal. Carmine-rose	63960 10
aurantiaca fl. pl. Double flowers; bright orange	63970 5

ESCHSCHOLTZIA —Continued	Pkt.
crocea. Pure, deep orange	63990 5
" Double Orange	64000 5
Mandarin. Red-gold flowers, orange within and scarlet without	64020 5
maritima, Golden West. A superb variety with very large flowers of deep yellow; blooms all Summer; 2 ft.	64040 5
Mixed. Many sorts.	
¼ oz. 20c., oz. 50c.	64060 5
EUCHARIDIUM grandiflorum. Graceful and showy; little hardy annuals, nearly allied to Clarkia; fine for edgings and pots; rosy red flowers; 1 ft.	64080 5
† EUPATORIUM Fraseri. Splendid hardy perennials; clusters of white flowers, fine for cutting; 1½ ft.	64100 5

***EUPHORBIA** Very ornamental-leaved, strong-growing hardy annuals; fine for beds and borders; 2 to 3 ft.

	Pkt.
variegata (Snow-on-the-Mountain). Green-and-white foliage	64110 5
heterophylla (Mexican Fire Plant). Glossy green-and-carmine leaves.	64120 10

EUTOCA VISCIDA. Dark blue 64160 5

FENZLIA. Pretty, hardy annuals for edgings, ribbon-gardening or pots; about 3 in.

	Pkt.
dianthiflora. Rosy lilac	64190 25
" alba. White	64200 25

FERNS (gP). Assorted varieties for the greenhouse. Sow in fine, sifted sandy, peaty loam, covering the pots with pieces of glass 64220 25

FEVERFEW. See *Matricaria*.

FLAX. See *Linum*.

FORGET-ME-NOT (*Myosotis*).

These dainty little flowers love cool, moist soils, and, like Pansies, bloom most freely in Fall and early Spring. They make beautiful close borders, or edgings, and will bloom nicely in Winter in a cool room or cold-frame. They establish themselves by self-seeding. Sow in Spring in a warm, sunny border. Most varieties bloom freely the first season and profusely the second. Average height, 6 to 8 in.

	Pkt.
alpestris (hB). A pretty trailer, with blue flowers	64260 10
" alba. White flowers, very dainty in effect	64270 10
" Indigo-Blue. Very fine.	64300 10
" nana carulea. Very dwarf; compact; sky-blue; fine for edging	64310 15
" robusta grandiflora (Eliza Fonrobert). Grown extensively for cutting. Large, sky-blue florets with yellow eye, in large clusters.	64320 15

FORGET-ME-NOT—Continued		Pkt.
<i>alpestris rosea</i> . Rosy flowers; pretty contrast with blues and whites	64330	10
" <i>Victoria</i> . Strong - growing; dwarf habit; flowers large, globular, sky-blue, abundant; fine for borders, growing in pots and for cutting	64340	15
" <i>Victoria rose</i>	64345	15
" <i>Mixed</i>	64350	10
<i>hybridus</i> , <i>Star of Love</i> (hB). A distinct dwarf variety, with large, beautiful blue flowers and handsome foliage.	64390	25
" <i>Ruth Fischer</i> (hB). Pure Forget-me-not blue. Fine for cutting and for hanging baskets. Can be forced successfully and, owing to its		

FORGET-ME-NOT—Continued		Pkt.
extreme hardiness, it is valuable for Spring bedding in open ground	64400	25
<i>palustris</i> (hP). (True Forget-me-not). Dark blue; blooms the second year abundantly all season; the best known of all.	64410	10
" <i>semperflorens</i> (hP). Bright blue; dwarf; blooming from Spring until Autumn; foliage a good shade of green.	64420	25

FOUR O'CLOCK (*Mirabilis*). Favorite half-hardy annual of the easiest culture and very suitable for large beds and borders. Called Four O'Clock because it opens its blossoms at that hour in the afternoon. Also known as Marvel of Peru. Handsome, free-flowering, sweet-scented; blossoms variegated, striped and of various colors.

		Pkt.
Hybrids, Mixed. Fine assortment; 2 ft.	64460	5
<i>longiflora alba</i> . White; 2 ft.	64480	5
Variegated-leaved. Many colors; 2 ft.	64490	5
Tom Thumb, White. Bushy habit; 1 ft.	64500	5
" " Mixed. Very fine; 1 ft.	64510	5

FOXGLOVE (*Digitalis*). The tall flower spikes of the Foxglove, often 2 to 3 ft. in height, are particularly handsome, when grown among shrubbery, or in bold masses, as a background for lower growing plants, they are very attractive. Hardy perennials, they are most satisfactory when treated as biennials. Sow the seed out of doors in Spring and transplant the seedlings into their permanent places. They will bloom magnificently the following Spring; giving them a deep soil in partial shade.

		Pkt.
<i>purpurea</i> , Rose. Very showy; long spikes	64590	10
" White. Fine and attractive.	64600	5
" Mixed	64610	5
<i>gloxinioides</i> , Purple	64620	10
" Rose. Bright, showy flowers borne profusely on fine spikes	64630	10
" White. Very handsome, Gloxinia-like flowers; robust; beautiful for cutting	64640	10
" Mixed. All the choice colors	64650	10
<i>grandiflora lutea</i> , Yellow. Large-flowered; long racemes of bell-shaped blossoms; dwarf	64660	10
<i>monstrosa</i> , Splendid Mixed. Very large, bell-shaped flowers of exquisite beauty, borne on long spikes; 4 ft.	64680	10



Foxgloves

FUCHSIA (Ladies' Eardrops). The well-known Spring-blooming greenhouse plants; also fine for the window-garden. As bedding plants they do splendidly in the Summer if given partial shade and rich soil.

hybrida, Finest Single, Mixed.	64790	Pkt. 50
" Finest Double, Mixed.	64800	50
" Finest Single and Double, Mixed	64810	50

GAILLARDIA (Blanket Flower).

Both the annual and perennial varieties of Gaillardia are very showy and free bloomers all Summer long until frost; good in any situation and easily grown; the individual flowers are of large size, very durable and most brilliant in color; fine for bouquets; 2 to 3 ft.

amblyodon (hA). Fine red.	64870	Pkt. 5
†grandiflora maxima (hP). Golden yellow; 2½ ft.	64890	10
" oculata (hP). New light shades with red centers; very fine, large-flowering hybrids	64900	10
" Extra-fine Mixed (hP).	64910	10

All the following Picta sorts are most elegant annuals and well deserve very generous plantings.

picta (hA). Red-and-yellow; very brilliant	64930	Pkt. 5
" Lorenziana. Double; mixed colors; flowers large.	64940	5
" Salmonea. Salmon red, fine.	64950	10
" Mixed. Finest colors.	64960	5

GALEGA. Ornamental, tall-growing, hardy perennials, well suited for borders or cutting; blooms all Summer; 3 to 4 ft.

officinalis. Blue	65000	Pkt. 5
" alba. White	65010	10

GAURA LINDHEIMERI, free flowering, hardy annual, very effective in clumps, red-tinted white flowers, 2 to 3 ft.

GENISTA canariensis. Ornamental and free-flowering tender perennial; yellow flowers; 2 ft.

GENTIANA. Showy hardy perennials, valued for their beautiful, intense blue flowers early in the season.

acaulis (blue gentian), dark blue, 3 in. in height	65100	Pkt. 10
cruciata. Azure-blue; 1 ft.	65110	10

GERANIUM Most valuable greenhouse plants, blooming continuously. For bedding in the outdoor garden nothing equals them. 1½ ft.

Zonale. Scarlet	65130	Pkt. 10
Apple-scented. Pink; fragrant foliage.	65150	25
Choice Mixed	65152	25

See, also, *Pelargonium*.

GERBERA (Transvaal Daisy). Very pretty half-hardy perennials, fine for garden border and also Winter forcing; grows about 2 ft. in height and blooms all through the season.

GERBERA—Continued

Jamesonii. Deep scarlet (25 seeds in a packet) 65180 Pkt. 25

" **hybrida**, New Hybrids. Great diversity of colors, from pure white to dark red; fine for cutting (25 seeds in a packet).

65190 30

GEUM. Handsome hardy perennials that bloom freely all the season; fine for bouquets; 1½ ft. in height.

coccineum. Scarlet	65240	Pkt. 10
atrosanguineum fl. pl. Double; crimson	65250	10
Mrs. J. Bradshaw. Large, brilliant scarlet	65256	25

GILIA Pretty hardy annuals that bloom most freely and continuously the whole season. Do finely in any situation; look well on lawn and in beds; are good for rockeries, and can be planted at any time; 1 ft.

achilleifolia. Blue	65280	Pkt. 5
" alba. White	65290	5
" rosea. Rose	65300	5
capitata. Light blue	65310	5
" alba. White	65320	5
tricolor. Violet, yellow and white.	65360	5

Mixed 65380 5

†**GLAUCIUM** (Horned Poppy). Showy hardy perennial, with large, Poppy-like flowers and glaucous-blue foliage; of easiest culture; 2 ft.

Burbank's Hybrids. A fine mixture. 65400 Pkt. 10

GLOBE AMARANTH. See *Gomphrena*.



Gaillardia grandiflora

GODETIA Favorite, free-blooming, hardy annuals, with widely opened flowers of satiny texture, and of the most delicate and lovely colors. They are beautiful for solid beds, border lines, pots, and for growing in shaded places, where so few really fine flowers will flourish. Sow seed in the open border in Spring, or in a coldframe, and transplant seedlings to stand a foot apart in rather thin soil. *Fine for cut-flowers.* Average height 1 ft.

	Pkt.
Bijou. Of dwarf, bushy habit; lovely blush-white flowers borne in great profusion 65450	5
Crimson Glow. Intense, dazzling crimson; fine, compact grower; very floriferous. 65460	15
Duchess of Albany. Satiny white. 65470	10
Fairy Queen. Large white flowers, with carmine spots 65480	10
gloriosa (Lord Roberts). Darkest red; dwarf 65490	10
Lady Albermarle. Dark crimson. 65510	10
Lady Satin Rose (G. Whitney compacta, Brilliant). Bright carmine 65530	5
Lindleyana. White and red. 65540	5
Princess of Wales. Brilliant carmine; fine cut-flower variety 65550	5
Rosamund. Large, glossy pink. 65560	10
rubicunda splendens. Brilliant red; fine 65570	5
The Bride. White and crimson. 65580	5
White Pearl. Beautiful glossy white on long stems 65590	10
Whitney Brilliant. Carmine, very showy 65610	5
Mixed, Tall Varieties. . oz. 50c. 65620	5
“ Dwarf Varieties.	
¼ oz. 25c., oz. 60c. 65630	5

GOLDEN FEATHER. See *Pyrethrum*.

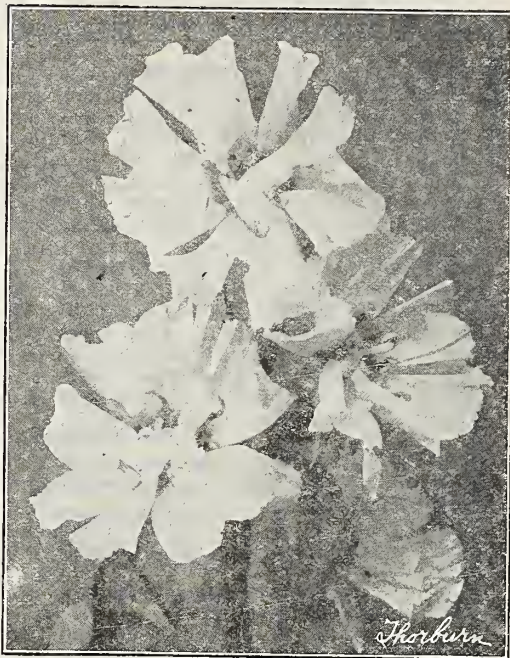
GLOXINIA Greenhouse plants with magnificent flowers of great brilliancy; very decorative. If the seed is started early in the season the plants bloom the same Summer; do best in light, rich soil; fine pot plants for the window garden; 1 to 1½ ft.

	Pkt.
hybrida grandiflora—	
Mixed 65670	50
robusta 65675	50
crassifolia erecta, Mixed 65680	50
Defiance. Glowing scarlet; superb; fine foliage 65700	50
French Tigered and Spotted. Very rich colors; splendid 65710	50
Gigantea “Cyclops.” Carmine, white border, throat dotted with dark red 65720	50
“ “Goliath.” Purple, white border, delicately spotted throat 65730	50

GOMPHRENA (Globe Amaranth). These well-known, hardy annuals are among the most popular of the Everlastings for dried Winter bouquets; also well adapted for beds and edgings in the garden. Their round heads of flowers are also called Bachelor's Buttons; 1 ft.

GOMPHRENA—Continued

	Pkt.
globosa rubra. Purplish red. 65750	5
“ alba. White 65760	5
“ earnea. Flesh pink. 65770	5
“ variegata. Striped. 65780	5
Mixed 65810	5



Godetia grandiflora

GOURDS (Ornamental) (hhA). These rapid-growing, annual climbers have most luxuriant foliage and are excellent for covering verandas or trellis-work, and for training over arbors, fences, etc.; bear most curious fruit; the vines are immune from insect pests; 10 to 25 ft.

	Pkt.
Apple-shaped. A good sort 65860	5
Bottle Gourd 65870	5
Calabash (The Pipe Gourd) ... 65880	10
Dipper-shaped 65890	5
Dish-cloth (Chinese Luffa). Interior useful as a sponge 65900	5
Egg-shaped. White, egg-like fruits. 65910	5
Hercules' Club. Long, green fruits. 65920	5
Knob-Kerrie Gourd. Green-and-yellow fruits; ball-shaped, with long handles 65930	10
Mock Orange. Orange-shaped fruits. One of the best known 65940	5
Pear-shaped. Very showy. 65950	5
Sugar Trough 65960	5
Mixed. A fine assortment 65980	5
GREVILLEA robusta (Silk Oak). Graceful, evergreen, greenhouse plant, easily raised from seed; fern-like foliage; fine for table decoration. 66040	10

GUNNERA (Chilian Rhubarb). Hardy perennial decorative lawn plants; leaves gigantic, often 7 to 8 ft. long; flowers reddish purple. Need rich soil and plenty of water; 4 to 6 ft. Pkt.
manicata 66060 25

GYPSOPHILA (Baby's Breath). Both the annual and perennial varieties are most easily grown; very graceful and delicate flowers and foliage; fine for rockwork or shrubbery and bouquets; 2 ft. Pkt.
elegans (hA). Pure white. 5

“ *grandiflora alba* (hA.) Large flowering, white. 5

“ *carminea* (hA). Rosy carmine; elegant 66110 10

“ *rosea* (hA). Rose 66120 5

muralis (hA). Pink; dwarf; very fine; 6 in. 66130 10

paniculata (hP). White; fine for bouquets 66150 10

“ *fl. pl.* (hP). Fine clusters of double white flowers; rare; foliage very dainty and filmy; very fine for cutting 66160 50

HAWKWEED (*Crepis*). Showy, hardy annuals of easiest culture; 1 to 1½ ft. Pkt.

Golden Yellow 66200 5

Red 66210 5

White 66220 5

†HEDYSARUM. Hardy biennials, with racemes of beautiful, pea-shaped flowers; adapted for borders and rockwork. Of the easiest culture. So-called “French Honeysuckle,” but no relation to that vine. Not a climber; 3 ft. Pkt.

coronarium. Scarlet 66240 5

“ *album*. White ... 66250 5

HELENIUM *autumnale* *superbum* (Sneezewort). Late-flowering, hardy perennials; broad heads of elegant, golden yellow flowers; fine for cutting; 5 to 6 ft. 66270 10

HELICHRYSUM (Eternal Flowers). A most popular, hardy annual; the flowers are large and the color bright; highly prized for Winter bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with heads downward in cool and airy place; 1 to 2 ft.

bracteatum. Single flowering; yellow 66290 5

“ *album*. White ... 66300 5

“ *natum atrococcineum*. 5

“ Dark scarlet 66310 5

“ Rose 66322 5

“ Mixed, oz. 50c. 66330 5

monstrosum. Double Mixed ... 66340 10

“ Dwarf Double Mixed. 66350 10

HELIOPSIS *Pitcheriana*. This well-known, hardy perennial is esteemed highly for the garden border and for cutting; bears beautiful, golden yellow flowers all Summer; 3 ft. 66400 10

HELIOTROPIUM (Heliotrope).

These favorite greenhouse and bedding plants are highly valued for their scented flowers; succeed best in light but rich soil; bloom first season from seed; 1½ ft. Pkt.

peruvianum. Light blue. 66430 10

White Lady. White; large flower. 66450 10

Lemoine's Giant, Mixed. Very fine, large flowers 66460 15

Dark-flowered Sorts, Mixed... 66470 10

Fine Mixed 66480 10

HELIPTERUM. Half-hardy annuals, with dense masses of flowers; resemble *Helichrysums*, and useful in the same way as “Everlasting” flowers; 1 ft.

Sanfordii. Yellow 66540 5

HELLEBORUS (Christmas Rose). These well-known, Spring-flowering, hardy perennials thrive finely in any common soil, in a sheltered, semi-shady situation; 1 ft. Pkt.

Niger. White 66560 10

Mixed Hybrids. Very fine 66570 25

HESPERIS. See *Rocket*.

HEUCHERA. Compact-growing, hardy perennials, with erect spikes of brilliant flowers; fine for the border, blooming all Summer; nothing more desirable for cut-flowers; 1 ft. Pkt.

sanguinea. Crimson; fine for pots and cutting 66600 15

“ *splendens*. Dark red; 25

“ *splendid* 66610 25

“ *hybrida*, Mixed. Many effective varieties. 66620 15



Gypsophila paniculata

HIBISCUS (Mallow). All the species bear very showy flowers and are easily grown; should be employed largely in every garden.

- africanus* (hA). Free flowering, fine annual; flowers yellow and purple; 2 ft. **66640** 5
Crimson Eye (†hP). White and crimson; splendid in borders; 4 ft. **66650** 10
moscheutos rosens (hP). Large rose-colored flowers; 4 ft. **66670** 10

HOLLYHOCKS (*Althea rosea*). Although Hollyhocks are very permanent and hardy for the first Winter, it is advisable to sow seed

HOLLYHOCKS—Continued

every year of these splendid, hardy, perennials, as the flowers on young, vigorous plants are much finer than on old ones. Sowings should be made in April or May, and not later than June, to flower the next year. In final transplanting give each seedling a foot or more space each way for development. They succeed best in an ordinary deep, rich soil. They make a glorious show in the garden with their splendid spires of flowers. Water well in dry weather. Average height 6 ft. Our seed is of magnificent, double varieties, grown from Chater's celebrated collection, which has revolutionized the popular estimation of the Hollyhock.

- | | | | |
|---------------------------------|------------|--------------|---------|
| Bright Rose | ¼ oz. 60c. | 66720 | Pkt. 10 |
| Bright Scarlet | ¼ oz. 60c. | 66730 | 10 |
| Chamois Rose | ¼ oz. 60c. | 66750 | 10 |
| Salmon | ¼ oz. 60c. | 66790 | 10 |
| Snow White | ¼ oz. 60c. | 66800 | 10 |
| Yellow | ¼ oz. 60c. | 66810 | 10 |
| Mixed Double | ¼ oz. 60c. | 66820 | 10 |

" **Allegheny, Fringed**

- | | | |
|------------|--------------|---------|
| ¼ oz. 75c. | 66830 | Pkt. 15 |
|------------|--------------|---------|

- | | | | |
|---------------------------|------------|--------------|--------|
| " Single | ¼ oz. 50c. | 66840 | Pkt. 5 |
|---------------------------|------------|--------------|--------|

" " **Annual**, blooms the first year from seed, if started early in the house **66880** 10

†**HONESTY** (*Lunaria biennis*). Hardy biennial, with silvery seed vessels; prized for Winter decorations; 2 ft.

- | | | |
|--------------------------|--------------|---------|
| Purple | 66920 | Pkt. 10 |
| Crimson | 66925 | 10 |

HORNED POPPY. See *Glaucium*.

HUMEA. Half hardy biennial; white, sweet-scented flowers; keep in pots the first season, then plant out in garden border; 5 ft.

- | | | |
|-------------------------------|--------------|---------|
| <i>elegans alba</i> | 66940 | Pkt. 15 |
|-------------------------------|--------------|---------|

‡**HUMULUS** (Climbing Hop). The well-known, fast-growing, hardy annual climber; 15 to 20 ft.

- | | | |
|--|--------------|--------|
| <i>japonicus</i> (Japanese Hop). Beautifully cut green foliage; makes fine shade. oz. 50c. | 66960 | Pkt. 5 |
|--|--------------|--------|

" *variegatus*. With white-variegated leaves; fine. ¼ oz. 20c.; oz. 60c.

- | | | |
|---|--------------|---------|
| HUNNEMANNIA fumariaefolia . Very showy, hardy annual, with large, golden yellow flowers and feathery, glaucous foliage; 1½ ft. | 66980 | Pkt. 10 |
|---|--------------|---------|

HYPERICUM elegans (St. John's Wort). An elegant, hardy perennial; blooms all Summer; yellow flowers; 1½ ft. **67010** 10

IBERIS. See *Candytuft*.

ICE PLANT (*Mesembryanthemum crystallinum*). Half-hardy annual; its succulent leaves are covered with watery vesicles resembling pieces of ice; white flowers; 6 in. **67040** 5
 See, also, *Mesembryanthemum*.

IMPATIENS (Touch-Me-Not). Charming greenhouse and window-garden plants that bloom profusely and almost continuously. Good also for bedding; 1 to 1½ ft.



Double Hollyhocks,

IMPATIENS—Continued

Holstii, large vermillion flowers; quick grower, splendid.	Pkt. 25
“ nana Liegnitzia. New, scarlet, very dwarf	67060 25
“ hybrida, Mixed. Finest colors.	67070 25
Sultani. Bright, rosy carmine; fine for pots	67080 25
“ hybrida, Mixed. Splendid mixture	67100 25
glanduligera (tA). Purple flowers; bright foliage	67110 10
*INCARVILLEA. Ornamental, hardy perennials, with brilliant, Gloxinia-like flowers; continuous bloomers; succeed well in any situation, and make a fine show in the garden; 2 to 3 ft.	
Delavayi. Rosy carmine; splendid border plant	67130 25
grandiflora. Large, dark carmine flowers	67140 25
†IONOPSIDIUM (Diamond Flower) (hhP).	
acaule White. Pretty	67180 25
“ Lilac	67185 25

†IPOMOEA (Moonflower; Morning Glory; Cypress Vine). Of

all climbers for garden and greenhouse these are the quickest and most luxuriant in growth. Ipomoeas grow so easily from annual sowings that it is no longer thought necessary to Winter over roots or young cutting plants under glass. The large, thorny seeds of some varieties should be soaked in hot water before planting. For early flowers sow in hotbeds, or pots and boxes under glass, and transplant to rich, deep soil in Summer quarters as soon as danger of frost is over, when sowings may also be made in the open ground. Nothing finer for porches, trellises, etc.

*These are very hard-seeded, and in order to hasten germination, a notch should be filed in the seed before planting.

ANNUAL VARIETIES. From early sowings these begin to bloom about Midsummer, and are full of beautiful flowers all the season, often blooming freely until cut down by frost.

*bona nox. (Good Night, or Evening Glory). Large, blue flowers open in the evening; 15 ft.	Pkt. 5
coccinea. Scarlet flowers; 10 ft.	67200 5
“ lutea. A yellow-flowered variety	67210 5
hederacea grandiflora superba. Rich sky-blue flowers with white margins; 15 ft.	67220 5
“	67230 5

IMPERIAL JAPANESE MORNING GLORY.

The leaves are mostly plain green, but some are oddly blotched with white or yellow. Flowers vary from pure white to carmine, through blues and purples of every shade; 30 to 40 ft.

Finest Single Mixed. Large flower-ered; all colors	Pkt. 5
Fringed Single Mixed. All beautifully fringed	67260 5
“	67270 5
Double-flowered Mixed. Superb mixture of double sorts	67280 15
Giant Mikado. Largest flowered.	67290 10

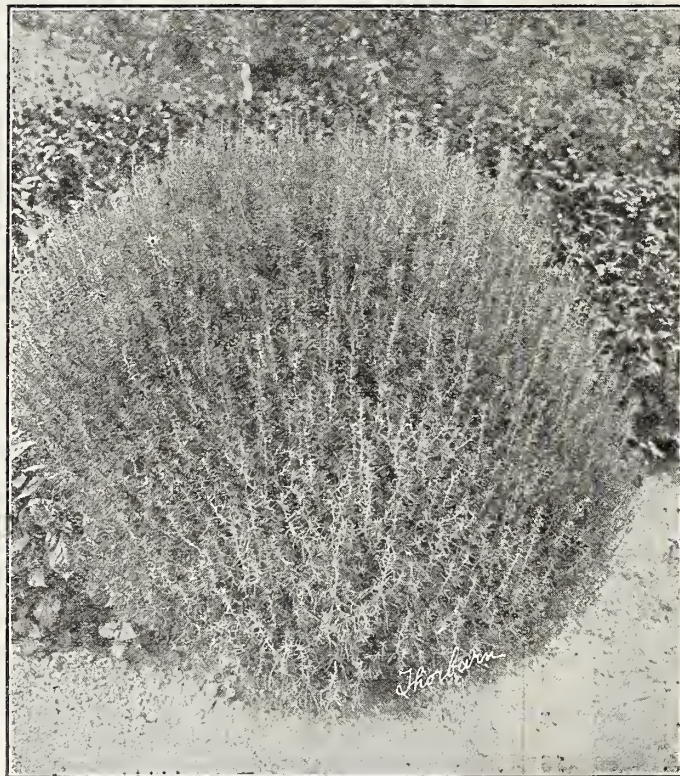


Incarvillea Delavayi

IPOMOEA —Continued	Pkt.
limbata. Violet and white; 5 ft.	67320 5
*mexicana grandiflora alba. The great white Moonflower; 15 ft.	67330 10
“ grandiflora hybrida alba. Flowers very large and numerous; 15 ft.	67340 10
“ grandiflora hybrida. Pink. (Giant Pink Moonflower)	67345 10
rubro-cerulea, Heavenly Blue. The very large, clustered flowers of beautiful sky blue open early in the morning. Unusually distinct and handsome; 10 ft. Sow early	67370 10
rubro-cerulea grandiflora. Early flowering. Produces gorgeous sky-blue flowers with rose-colored markings, from 4 to 5 inches across, in great abundance. Rapid grower. If sown in boxes or hotbeds the young plants may be set out in April or May in a sunny situation, where they will flower from about Midsummer until frost. Flowers remain open all day; 15 to 18 ft.	67390 15
Quamoclit (Cypress Vine; Star Flower). A tender annual, with finely cut leaves and small, star-shaped flowers. This, the type, is scarlet flowered; 10 ft.	67430 5
QUAMOCLIT HYBRIDA—CARDINAL CLIMBER. One of the best annual climbers introduced for many years. Rapid grower, with branching habit; flowers all Summer in fiery cardinal-red clusters; 25 ft.	67440 25
“ White	67460 5
“ Mixed Cypress Vine.	67470 5

IPOMOEAE—Continued

- Ivy-leaved Cypress Vine.** Pretty Pkt.
leaves, deeply lobed; fiery orange-scarlet flowers **67480** 10
- Greenhouse Climbers.** These handsome vines grow nicely in open ground, but bloom almost too late to be very useful there, in all except warm climates. Grown in pots, tubs or greenhouse beds they flower grandly between October and Spring.
- setosa** (Brazilian Morning Glory). Pkt.
This vine makes an immense, thick growth of great, lobed leaves lighted by a profusion of large, rosy flowers, with a satiny pink star in the centers. The red pubescent stems and seed-pods add very much to its attractiveness; 10 to 20 ft. **67530** 10
- IPOMOPSIS.** Showy and beautiful, tender biennials; the seeds should be started in the house; flowers very bright in color; 2 ft. Pkt.
elegans, Mixed **67590** 10
- IRIS** Kämpferi. These most desirable, hardy, herbaceous perennials begin to bloom the second year from seed. Our assortment is saved from a fine collection; 2 ft. **67620** 10
- JACOB'S LADDER** (Polemonium) Beautiful, old-fashioned, hardy perennial border plants; flowers in clusters; 2 ft. Pkt.
Blue **67650** 5
White **67660** 5



Kochia trichophylla

JACOBÆA (Senecio). Very free flowering, hardy annuals of easy culture; good for both pots and bedding; 1 to 1½ ft.

- elegans fl. pl., Tall Double, White.** Pkt.
..... **67680** 5
" " " **Tall Double, Purple.**
..... **67690** 5
" " " **Tall Double, Mixed.**
..... **67700** 5

JOB'S TEARS. See *Coix Lacrymae*, page 130.

JOSEPH'S COAT. See *Amarantus*.

KAULFUSSIA. Hardy annual, succeeding well in any good soil; fine for edgings and pots; good habit and bright colors; 1 ft.

- amelloides.** Blue **67770** 10
" **Kermesina.** Violet red.
..... **67790** 10
" **Mixed** **67800** 10

KENILWORTH IVY. See *Linaria*.

KOCHIA *trichophylla* (Improved Summer Cypress). A

rapid-growing, hardy annual; foliage green, turning to fiery red in Autumn; very ornamental on the lawn; 2 to 3 ft. in height.

oz. 40c... **67860** 5

†KUDZU VINE (*Pueraria*

Thunbergiana). A perennial climber from Japan; fine when once established, often growing 40 ft. in a season. Purplish violet, fragrant, Wistaria-like flowers; good foliage... **67880** 10

†LANTANA, Fine Mixed.

Rapid-growing, tender perennial, forming small bushy shrubs; fine for bedding and pot culture; 2 ft.

..... **67930** 5

LARKSPUR. See *Delphinium*.

LATHYRUS latifolius (Perennial Pea) (hP). These have not the fragrance of Sweet Peas, but bloom through a long season; are hardy and will live for years; they make a beautiful screen for rocks, stumps, fences, etc.; 4 to 8 ft.

Crimson. Beautiful Pkt.
shade...oz. 60c. **68000** 10

Pink Beauty. Blossoms white, veined, edged and shaded pink.

oz. 60c... **68010** 10

White. Valuable for cut-flowers in Midsummer. oz. 60c... **68020** 10

Mixed. oz. 50c... **68025** 10

LAVATERA. Very showy and free flowering; splendid for large beds in the garden, where they bloom all Summer; fine for cut-flowers.

trimestris (hA). Red; Pkt.
makes a brilliant show in the garden;
2½ ft. **68080** 5

LAVATERA—Continued

"	alba (hA). White	..68090	Pkt. 5
"	arborea (Tree Mallow)		
	(hB). Purple; 6 ft.	68100	5

LAYIA elegans. Pretty, dwarf-growing, hardy annual with yellow-and-white flowers; of easiest culture; 1 ft. Pkt. 10
68140

LEMON VERBENA. See *Verbena*.

LEPTOSIPHON. Elegant, hardy annuals, and should be in every garden; fine for edgings or rockeries; blooms in masses; 1 ft. Pkt. 10

androsaceus.	Lilac	.....68200	10
"	albus. White	.....68210	10
aureus.	Orange	.....68220	10
densiflorus.	Blue.	.....68240	10
"	albus. White.	.....68250	10
Mixed		.....68270	5

LEPTOSYNE. Fragrant, half-hardy annuals; large Marguerite-like flowers on long stems, good for cutting; 1 to 2 ft. Pkt. 10
maritima. Yellow68290
Stillmanii. Golden yellow; blooms six weeks after sowing68300

LIMNANTHES Douglasii. A vigorous, dwarf-growing, hardy annual, with yellow and white, fragrant flowers; 1 ft. 68350 10

LINARIA (Toad Flax). Snap-dragon-shaped flowers, fine for cutting. The dwarf-growing varieties are desirable for edgings and rockwork; all of the easiest culture.

bipartita alba (hA).	White; 1 ft.	Pkt. 5
	68380	
"	Purple; 1 ft.	.....68390 5
"	Fine Mixed.	.....68405 5
maroccana (hA).	Purple; 9 in.	68410 5
"	Mixed Hybrids (hA). Very fine; 9 in.	.....68420 10
cymbalaria (Kenilworth Ivy) (hP).	Charming, hardy perennial, trailing plants for baskets, rock-work, etc.	68430 10

LINUM (Flax). Pretty, free-flowering garden plants of easy cultivation. Pkt.

flavum (†hhP).	Yellow; fine; 1 ft.	68470 5
grandiflorum rubrum (hA).	The favorite Scarlet Flax. Large flowered; 1 ft.	68480 5
"	Blue. Pretty	.....68485 5
perenne.	A graceful hardy perennial; color blue; 2 ft.	.....68495 5

LOBELIA The *Erinus* varieties bloom very quickly from seed and flower all through the season. For beds, edgings, baskets and pots there is nothing prettier. Sow outdoors in early Spring where the plants are to grow, and thin moderately; or transplant several inches apart in rich, open soil. Some stimulant given when they are in bloom greatly improves the flowers. Almost all are also good Winter conservatory plants of trailing habit. The perennial or tail varieties are handsome, showy plants and will be found quite effective for backgrounds and grouping.

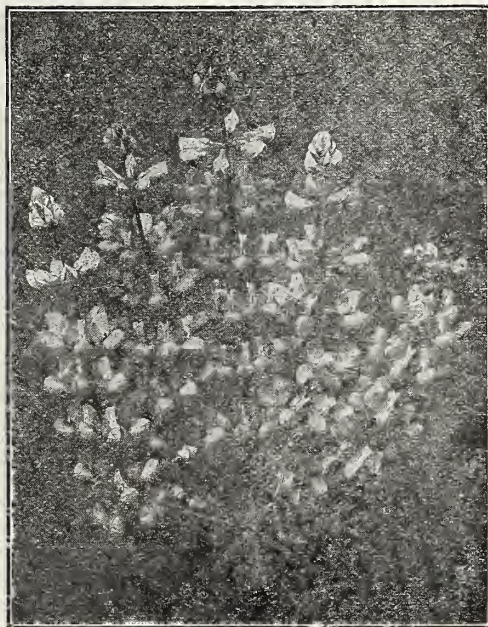
LOBELIA—Continued

ERINUS VARIETIES (tA)—

gracilis.	Blue; trailing; beautiful for baskets	.....68570	5
speciosa.	Crystal Palace. A favorite blue-flowered edging plant; 6 in.	68580	10
alba.	White flowers	.....68610	10
kermesina.	Crimson	.....68620	10
Lindleyana.	Rose, white eye	.....68630	10
Paxtoniana.	Blue and white	.....68640	10
Barnard's Perpetual.	Deep blue, with white eye; very fine	.....68650	10
Royal Purple.	Deep blue, with a distinct white eye	.....68660	10
Mixed		.....68670	10
erecta.	Crystal Palace compacta. Dark blue; for bedding; 6 in.	68690	20
"	Emperor William. Light blue; very fine	.....68700	20
"	Golden Queen. Dwarf; blue flowers, yellow leaves; very fine sort	.....68710	25
"	White Lady. Splendid, large-flowered, white	.....68720	10

PERENNIAL VARIETIES—

cardinalis (Cardinal Flower).	Standing bold and erect with its crimson-scarlet flowers, this handsome, native perennial Lobelia is invaluable for the border or grouping among evergreens; 2½ ft.	.....68780	10
"	fulgens (Queen Victoria). Intense vermilion scarlet, dark leaves; 2½ ft.	68790	25
ramosa.	Blue; flowers profusely in Fall; 1½ ft.	.....68810	10
Tupa.	Flowers crimson, strong grower, perennial suitable for border; height 8 to 10 ft.	.....68815	15



Lupinus Nanus—See page 104

†**LOPHOSPERMUM scandens.** A splen- Pkt.
did, tender annual climber, with
trumpet-shaped, dark rose flowers;
10 ft. **.68840** 10
LOVE-LIES-BLEEDING. See *Amaranthus*
caudatus.

LOVE-IN-A-MIST (*Nigella*).

Pretty and or-
namental, hardy annuals, with feathery
fennel-like foliage and curious flowers;
of easiest culture. Also called "Devil-in-
a-Bush"; 1 to 1½ ft.

Double Blue .....	.68890	Pkt. 5
Double White .....	.68900	5
Miss Jekyll. Beautiful; double; Corn- flower blue .....	.68910	10
White Spanish .....	.68940	5
Mixed Spanish .....	.68950	5
Mixed, All Sorts .....oz. 30c.	.68970	5

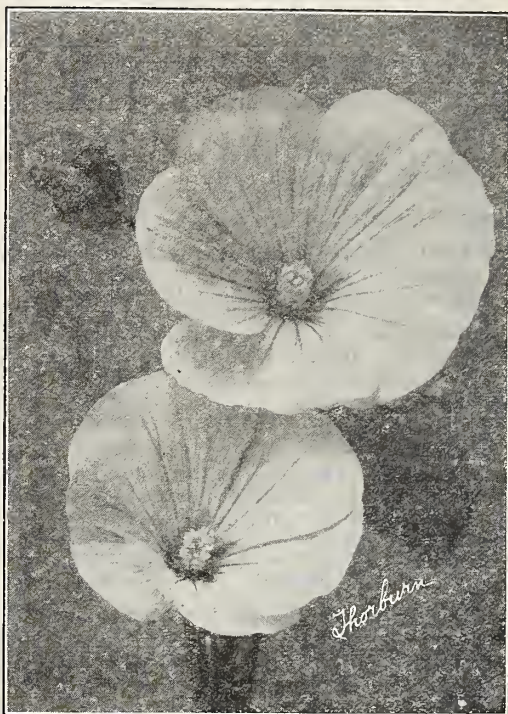
LUPINUS (*Lupine*).

ANNUAL VARIETIES. These garden fa-
vorites are among the most beautiful
of our hardy annuals; extremely varied
in color, of the easiest culture and bloom
all Summer. Splendid for beds, borders
and backgrounds; 2 to 3 ft.

<i>Cruikshanksii</i> . Blue, white and yel- low .....	.69000	Pkt. 5
<i>Hartwegii</i> . Blue .....	.69010	5
" <i>albus</i> . White .....	.69020	5
" <i>roseus</i> . Rose .....	.69030	5
<i>hirsutus</i> . Blue; large flower .....	.69050	5
" <i>albus</i> . White .....	.69060	5
" <i>ruber</i> . Red .....	.69070	5
<i>mutabilis</i> . White, yellow and vio- let; sweet scented .....	.69100	5
<i>nanus</i> . Dwarf; blue; fine for grow- ing in front of tall sorts. See cut p. 103 .....	.69110	5
Large Blue .....	.69115	5
" White .....	.69120	5



Lychnis, chalcidonica



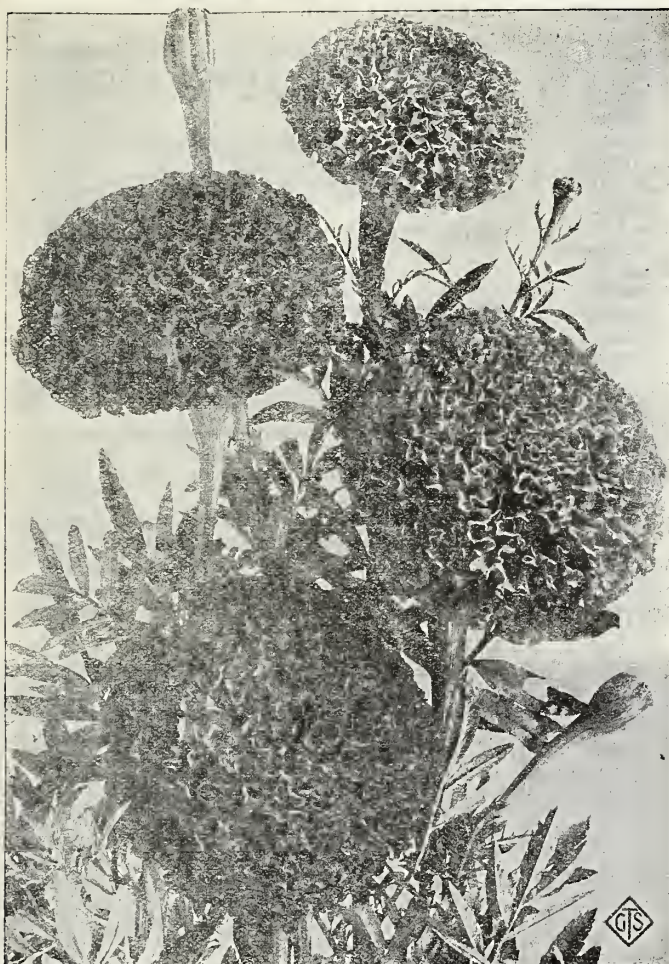
Malope Grandiflora

LUPINUS, Annual Varieties—Continued Pkt.

Mixed Annual Varieties.
oz. 30c. **.69130** 5

PERENNIAL VARIETIES. The hardy
perennial varieties of the Lupines are
extremely handsome and stately, bearing
beautiful flowers of rose, white, blue and
yellow in color, borne on erect, grace-
ful spikes that are more than a foot in
length. They are certainly among the
most striking of hardy perennials; grow
very compactly about 3 to 5 ft. in height,
and bloom continuously and profusely
during the Summer. They are excellent
for grouping or massing in separate col-
ors, and they suit themselves to almost
any position in the border, making a
good cut-flower, and of easy culture, re-
quiring ordinary moist soil, deep as pos-
sible, but well drained, with plenty of old
stable manure, in any open, sunny posi-
tion. Sow seeds in April in their per-
manent places, transplanting or thin-
ning as may be required.

<i>arborescens</i> . Yellow Tree Lupine.	Pkt. 10
" <i>albus</i> (Snow Queen), pure white; very fine .....	.69170 25
<i>polyphyllus</i> . Blue .....	.69200 5
" <i>albus</i> . White .....	.69210 5
" <i>Moerheimii</i> . Rose and white of rather dwarf habit; very beautiful.	.69230 25
" <i>roseus</i> . Rose; magnifi- cent .....	.69240 25
" Mixed .....	.69260 5
<i>tricolor elegans</i> . Orange, rose and white .....	.69280 5



Marigold, Pride of the Garden

†**LYCHNIS.** Free-flowering, hardy perennials, with brilliantly colored flowers; excellent for massing in beds and borders.

chalcidonica. Scarlet; 2 ft. 69330 Pkt. 5

" *alba.* White 69340 5

Haageana, hybrida Mixed. Fine colors; 1 ft. 69360 10

Arkwrightii, a cross between *chalcidonica* and *Haageana*; many new and lovely colors. If sown early will flower in autumn; 1 to 2 ft. 69370 30

MALOPE. Very pretty, free-blooming, hardy annuals with Mallow-like flowers. Sow the seed early; good for beds and borders, 2 to 3 ft.

grandiflora alba. White 69440 Pkt. 5

" *rosea.* Rose 69450 5

" *rubra.* Red 69460 5

" Mixed 69470 5

MALVA. Handsome garden plants that bloom continuously all Summer and are very fine for cut-flowers.

miniata (tA). Scarlet; carried on long, strong stems; 3 to 4 ft. 69490 5

MALVA—Continued

moschata alba (musk Pkt. m a l l o w) (†hP). White, fragrant; 2 ft. 69500 10

" *rosea* (†hP). Rose-flowered variety; fine. 69510 10

MANDEVILLEA *suaveolens* (gP). This fine greenhouse climber has deliciously sweet and beautiful, snowy white flowers; 10 ft. 69530 10

MARIGOLD (*Tagetes*).

These, like the *Calendulas*, are, valuable because they light the garden with such a grand glitter of yellow far into the frosts of Autumn. The dwarf varieties make a fine border for taller sorts, and both are effective when planted in groups or in garden borders. Hardy annuals. Average height, 1 to 2 ft. All our own special strains, vastly different from the ordinary sorts commonly sold.

AFRICAN VARIETIES—

Delight of the Gar- Pkt.

den. Dwarf; large-flowered; lemon yellow; double; fine for edging large beds. 69560 10

Eldorado. Large, quilled, perfectly double; brilliant shades of yellow. ¼ oz. 20c., oz. 60c. 69570 5

Lemon Queen. Very rich lemon yellow 69580 5

Orange. Rich 69590 5

Pride of the Garden. Extra-large, double flowers of richest yellow; dwarf and neat 69600 10

Prince of Orange. Beautiful orange color 69610 5

Mixed Double. ¼ oz. 20c., oz. 60c. 69620 5

FRENCH VARIETIES—

Tall Dark Brown. Reddish brown; extremely floriferous 69640 5

Dwarf Striped. Flowers handsomely marked 69650 10

" *Dark Brown.* Beautiful reddish brown 69660 10

" *Legion of Honor* (Little Brownie). Single; golden yellow marked velvety red 69670 10

Tall Mixed, Double. ¼ oz. 20c., oz. 60c. 69680 5

Dwarf Mixed, Double. ¼ oz. 25c., oz. 75c. 69690 5

See, also, *Calendula*.

MARTYNIA. Curious and handsome, half-hardy annuals for the border, with

MARTYNIA—Continued

bright flowers, borne in profusion and followed by quaint pods which are used for pickling; 1½ ft.

formosa. Red-violet **69770** Pkt. 5
proboscidea. Reddish white. . **69790** 5

MARVEL OF PERU. See *Four O'Clock*.

MATHIOLA bicornis. A charming little annual of no particular beauty, but it has a most delicious odor perceptible at a considerable distance and in the evening permeating the whole of the atmosphere surrounding it with its delightful fragrance. **69820** 10

MATRICARIA. Free-flowering, hardy annuals, with a profusion of dainty flowers; bloom all Summer; good for bedding or pots; 1½ ft.

capensis fl. pl. (Feverfew). Small, double, white flowers; pretty and neat **69830** 5

eximia, **Golden Ball**. Golden yellow; fine for pots **69840** 15

“ fl. pl. Double; white... **69850** 5

‡**MAURANDYA**. Rapid-growing, half-hardy perennial climbers that can be treated as annuals. Fine for garden or greenhouse; bloom all Summer in hanging baskets and vases or on trellises; 10 ft.

MAURANDYA—Continued

Barclayana. Blue **69880** Pkt. 10
 “ *alba*. White **69890** 10
purpurea grandiflora. Purple... **69910** 10
 Mixed **69920** 10

MELILOTUS cærulea. Ornamental, hardy annual like the Lotus; sweet-scented, blue flowers; good for bees; 2 ft. **69970** 5

‡**MELOTHRIA scabra**. An interesting, half-hardy annual tropical vine with light blue flowers; 10 ft.... **69990** 10

MESEMBRYANTHEMUM

These beautiful, half-hardy annuals flower profusely in dry and sunny situations; fine as edging plants; 6 in. Pkt.

cordifolium variegatum. Rose; cream foliage; very dwarf; a fine variety for carpet bedding or for edging and for rock work **70020** 15

crystallinum (Ice Plant). White flowers; succulent leaves covered with sparkling ice-like globules . **67040** 5

tricolor. Crimson, pink and white; fine in dry situations **70030** 5

MIGNONETTE (*Reseda odorata*).

Seed of this popular, hardy annual can be sown at any time, and if successive sowings are made its fragrant, modest-colored flowers may be gathered out-doors until November. Sow in pots or boxes under glass in February or March, and thin or pot off the seedlings to make good plants for bedding out in April. Sow outdoors in rows about April 1st, and again regularly at intervals of about three weeks till August, a row or two at a time for succession. The July sowing will make good Winter-flowering plants; 1 ft. Pkt.

Reseda odorata grandiflora (Sweet Mignonette) oz. 30c... **70060** 5

Allen's Defiance. Spikes of great length; very fragrant and fine for cutting; 1½ ft. ¼ oz. 25c., oz. 75c... **70070** 10

Crimson Giant (*ameliorata*). Red flowered **70080** 5

Diamond. Pure white flowers; fine; very sweet scented **70090** 10

Giant Pyramidal. 1½ ft. **70110** 10

Golden Queen. Golden yellow. **70120** 10

Goliath. Red; enormous spikes; striking; very sweet scented **70130** 15

Machet, Dwarf. Deep red **70140** 10

“ “ **Bismarck**. Improved Machet. Large spikes of golden yellow flowers **70150** 10

“ “ **Golden** **70160** 10

“ “ **Ruby** (Rubin). Very fine strain of Machet, with coppery scarlet flowers **70170** 10

“ “ **White Pearl**. The best white variety... **70180** 15

Miles' Spiral. 1 ft. **70190** 5

Paris Market (*Crimson Queen*). Crimson **70200** 10



Mignonette Machet

MIGNONETTE—Continued

Pkt.

- Parsons' White. White and buff; 9 in.70210 10
 Victoria. Compact; bright red; 6 in.70220 10

MIMOSA pudica (Sensitive Plant). A curious and interesting half-hardy annual, with pinkish flowers; leaves close when touched; 1½ ft.70280 10

†**MIMULUS** (Monkey Flower). Showy, half-hardy perennial; do best in a moist situation in the garden; easily grown; 1 ft.Pkt.

cardinalis. Scarlet70300 10

cupreus, Mixed70310 10

moschatus (Musk Plant). Yellow; fragrant foliage70320 10

tigrinus. Tigered and spotted varieties.70350 10

“ *grandiflorus* (Queen's Prize). Large-flowered variety of above70360 25

‡**MINA** *lobata*. A beautiful and free-flowering, half-hardy annual climber, with scarlet-and-yellow flowers; 15 ft.70380 10

MIRABILIS. See *Four O'Clock*.

‡**MOMORDICA**. Handsome and ornamental, climbing, half-hardy annuals with yellow flowers; fine for covering rockwork, trellises, etc.; 10 ft.Pkt.

Balsamina (Balsam Apple). Apple-shaped fruit; glossy, green foliage, often used for its medicinal qualities.70420 5

Charantia (Balsam Pear). Pear-shaped fruit; heavy green foliage.70430 5

Elaterium (Squirting Cucumber). The oblong fruits eject their seed at the slightest touch70440 5

MONARDA didyma (Oswego Tea). Very ornamental and beautiful, hardy perennial, with bright scarlet flowers; 3 to 4 ft.70460 25

MONK'S HOOD. See *Aconitum*.

MONKEY FLOWER. See *Mimulus*.

MOONFLOWER. See *Ipomœa mexicana*.

MORNING-GLORY. See *Convolvulus* and *Ipomœa*.

MOURNING BRIDE. See *Scabiosa*.

MUSK PLANT. See *Mimulus moschatus*.

MYOSOTIS. See *Forget-me-not*.

NASTURTIIUM

We do not sell less than one ounce of any one kind by weight

A marvelous range of new colors has been developed in this favorite flower which, for three or four months of the season, makes a better display than almost any other plant. No other hardy annual will produce such a lavish profusion of flowers for so long a time with the same small outlay of time and labor. The maximum of bloom is produced on thin soils, and never flags through the hottest weather. In soils too rich, leaves predominate, and the plants are apt to rot off in wet weather, especially if standing too close.

For the Celebrated Lobb's Climbing Varieties, see next page

We can supply most of the Dwarf Varieties *Nasturtium* at 30c. per oz.



Nasturtium (Tropæolum)

DWARF or TOM THUMB

(Tropaeolum nanum)

These have a neat, compact habit and attractive foliage; they bloom in two months from sowing, and most profusely the whole season; 1 ft.
Anna Groot. (Spencer.) Purple-scarlet flowers on long stems; dark foliage.

atrococcineum. Brilliant scarlet; fine.	70570	15
	70580	10
Aurora (Terra-cotta). Fine	70590	10
Beauty. Yellow and scarlet	70600	10
Bronze-color. Distinct	70610	10
Chameleon. Mottled crimson, bronze and yellow; very fine	70620	10
cæruleo-roseum. Bluish rose	70630	10
Crystal Palace Gem. Yellow and carmine	70640	10
Empress of India. Deep crimson; fine dark foliage	70650	10
Golden Cloth. Golden yellow leaves; scarlet flowers	70660	10
Golden King. Golden yellow	70670	10
King of Tom Thumbs. Scarlet; fine color	70680	10
King Theodore. Black, velvety; darkest of all	70690	10
Miss Mina Groot. (Spencer.) Deep scarlet flowers; light green foliage; pretty.	70710	15
Prince Henry. Light yellow, marbled scarlet	70720	10
Queen of Tom Thumb. (Original Queen.) Brilliant crimson with white veined variegated-leaved foliage.	70725	10
	oz. 30c.	
Chameleon. Variegated leaves, developing bright yellow, later on changing into different shades, producing a magnificent display of colors	70730	10
Golden Yellow. Variegated leaves.	70740	10
Orange Scarlet. Variegated leaves.	70750	10
Mixed. Splendid range of colors of variegated-leaved sorts	70760	10
Rienke Groot. (Spencer.) Odd, wavy, dark green foliage; bright scarlet flowers	70770	15
Ruby King. Ruby-red; large flowers; dark-leaved; fine and very profuse.	70780	10
Vesuvius. Salmon-rose; extra large flowers in profusion; fine	70790	10
White, or Pearl (Moonlight)	70800	10
Yellow. Very fine	70810	10
Mixed, Golden Leaved Sorts	70820	10
" Dark Leaved Sorts	70825	10
" All Sorts. Per oz. 20c.; ¼ lb. 60c., ½ lb., \$1.10., lb. \$2.00.	70840	10

TALL or CLIMBING

(Tropaeolum majus)

Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., these can also be grown as pot plants for Winter flowering, as screens, or as trailers for hanging baskets and vases; 8 to 12 ft.

Chameleon. Various colors.	70910	Oz.	Pkt.
Dark Crimson	70920	20	5
" Golden-leaved	70930	20	5

TALL NASTURTIUM—Continued		Oz.	Pkt.
Edward Otto. Brownish lilac.	70940	20	5
Fashion. Light crimson-rose, veined old-rose	70950	20	5
Golden-leaved Scarlet	70960	20	5
hemisphaericum. Orange	70970	20	5
Jupiter. Giant-flowered; beautiful golden yellow	70980	20	5
King Theodore. Black	70990	20	5
Moltke. Bluish rose	71000	20	5
Pearl (Moonlight). Whitish	71010	20	5
Prince Henry	71015	20	5
Scarlet	71020	20	5
Scheuerianum, Spotted	71030	20	5
" coccineum. Scarlet striped.	71040	20	5
Schillingi. Yellow, maroon-blotted	71050	20	5
Schulzi. Darkest-leaved, scarlet.	71060	20	5
Sunlight (Dunnett's Orange). Rich golden yellow; flowers nearly 3 inches across	71070	20	5
Vesuvius. Large flowers; salmon; dark-leaved	71080	20	5
Yellow (Luteum)	71090	20	5
Variegated-leaved, Mixed. Beautifully variegated foliage; distinct and charming	71110	20	5
Fine Mixed. ¼ lb. 55c., ½ lb. \$1.00, lb. \$1.75.	71120	20	5

LOBB'S CLIMBING

(Tropaeolum Lobbianum)

This class is remarkable for the intensely brilliant colors of its flowers, which are a trifle smaller than those of other sorts. In moderately rich soil they climb high and bloom brilliantly. Average height, 6 ft.

Asa Gray. Yellowish white, handsome flowers	71160	Oz.	Pkt.
atropurpureum. Dark purple; dark-leaved	71170	20	5



Nemesis strumosa Suttonii grandiflora

LOBB'S CLIMBING NASTURTIUM—Continued

Chaixianum. Yellow, spotted red.	Oz. 20	Pkt. 5
71180		
Crown Prince of Prussia. Blood-red	20	5
71190		
Crystal Palace. Scarlet; large flowers; fine foliage	20	5
71200		
Firefly. Dark orange-yellow, spotted bright scarlet; dark-leaved	20	5
71210		
fulgens (Brilliant). Bright scarlet; dark-leaved	20	5
71220		
Geant des Batailles. Sulphur and red	20	5
71230		
Golden Queen. Fine yellow; contrasts effectively with foliage.	20	5
71240		
Ivy-leaved Scarlet. Dark leaves, like ivy; deep scarlet flowers.	40	10
71250		
Ivy-leaved, Mixed	40	10
71260		
Lilliput, Baby Rose. White and soft pink. A splendid variety.	35	10
71270		
Lilliput, Snow Queen. Cream-white, very delicate tint	35	10
71290		
Lily Schmidt (Victoria). Scarlet.	20	5
71280		
Lucifer. Dark scarlet; dark leaves.	20	5
71300		
Spitfire. Brilliant scarlet. Very fine	20	5
71310		
Queen Wilhelmina. Queen of the Lobb varieties. The foliage is veined and marbled white, setting off the rich rosy scarlet flowers to great advantage. One of the most effective of the list.	25	5
71320		
Madame Gunther Hybrids. A French strain noted for wide range of colors	20	5
71330		
fimbriatum, Mixed. Fringed sorts, mixed. $\frac{1}{4}$ lb. 55c., $\frac{1}{2}$ lb. \$1.00, lb. \$1.75	20	5
71340		
Finest Mixture. $\frac{1}{4}$ lb. 55c., $\frac{1}{2}$ lb. \$1.00, lb. \$1.75	20	5
71350		
NEMESIA. Very pretty and neat-flowering hardy annual for edgings, attractive, bright-colored flowers; 1 ft.	Pkt.	
compacta alba. White; attractive, fresh green foliage.	10	
71460		
" cœrulea. Blue flowers borne in the greatest profusion.	10	
71470		
strumosa Suttonii grandiflora. Many rich and rare colors; flowers large; foliage beautiful	25	
71480		

NEMOPHILA Very pretty, dwarf-growing, hardy annuals of easy culture; continuous bloomers; cup-shaped flowers of brightest colors. Good in pots, edgings, rockeries or

NEMOPHILA—Continued

beds; moist soil and partial shade is favorable for them; 1 ft.	Pkt.
atomaria. White and purple	5
71500	
crambeoides. Pale blue	5
71510	
discoidalis. Black-brown, white-margined	5
71520	
insignis. Sky-blue	5
71530	
" alba. White	5
71540	
maculata. Lilac-white, brown-spotted.	5
71560	
Mixed oz. 30c.	5
71580	

NICOTIANA Species of tobacco. Showy and free-blooming half-hardy annuals; great garden favorites; in flower all Summer; tubular-shaped flowers; 3 ft.

affinis. White; very fragrant	5
71650	
" hybrida. Beautiful shades, mixed	10
71660	
Sanderae Hybrids. Many brilliant colors	10
71680	
" Purple carmine	10
71685	
sylvestris. Large clusters of white flowers, sweet-scented; 4 ft.	10
71690	
NIEREMBERGIA. Pretty half-hardy perennials of slender growth that bloom freely the first year from seed; cup-shaped flowers. Fine for edgings or hanging-baskets; 1 ft.	Pkt.
gracilis. Lilac and white	10
71710	
frutescens. White, tinted with lilac.	10
71720	

NIGELLA. See *Love-in-a-Mist*.

NOLANA. When in flower these hardy annuals are very showy, and are fine for the garden border; of trailing habit; 1 ft.

Mixed 71780 5

NYCTERINIA. Pretty half-hardy annuals, forming dwarf, compact plants; excellent for beds and borders; 9 in.

capensis. White; fragrant in evening. 71810 10

selaginoides. White, flushed lilac; graceful 71820 10

GENOTHERA. See *Evening Primrose*.

PÆONIA. Among hardy perennial plants none are more prized than the Peonies with their large and handsome blooms; 2 to 3 ft.

officinalis. Red; single flowered. 71960 5

chinensis, Mixed. Fine double varieties 71970 10

PALAFIXIA Hookeriana. Ornamental half-hardy annuals of easiest culture. Good "Everlasting" flowers, carmine-rose in color. They grow 2 ft. in height 72000 10



Pansy, Thorburn Superb

PANSY (*Viola tricolor*; Heartsease)

Our strains have never been excelled

The Pansy is a plant that we all delight to grow in plentiful supply for flowers all the year. For very early outdoor bedding the seed is sown from August to October, in a cold-frame, or in rich, moist garden beds, from which the plants can be transferred to a cold-frame, setting them 2 to 3 in. apart each way before severe Winter weather begins. In Spring three-fourths of them can be lifted out for bedding and the rest left to bloom in the frame. For Winter blooming in a frame set the plants about twice as far apart, and thin out half of them in the Spring. Cover the blooming plants with sashes, adding a covering of matting or straw in very cold weather. In mild weather remove the mats and tilt the sashes to admit light, heat and fresh air. In outdoor beds, raised a few inches above the ground, with a mulch of dry leaves and some brush to hold them in place, Pansies will often Winter nicely and bloom until Midsummer, when a relay of young, vigorous plants should be ready to replace them. Spring sowings should be made early so as to secure good flowers during the early rains. Seed sown in a cool, moist place in June and July, and well tended, will give good flowering plants for Fall. If they come into bloom in the heat of the Summer, the flowers may be small at first, but, as the weather becomes cooler they will increase in size and beauty, and make a glorious show in the garden. Through Summer heat the flowers are finer in a somewhat shaded place, but in almost any situation good Pansy seed will give fine flowers in Spring and Fall. Early Fall sowings give the finest flowers in Spring, and a bed of Pansies is one of the most beautiful sights a garden can show. *The higher-priced sorts produce the largest flowers and the most brilliant colors. This should be borne in mind when ordering.*

We do not sell less than $\frac{1}{4}$ ounce of a kind by weight

	$\frac{1}{4}$ Oz.	Oz.	Pkt.
Thorburn Superb. The richest and most choicely varied mixture possible. It produces only the finest colors, largest flowers and most beautiful forms	72030	\$2 00	\$7 00
Bugnot Superb Blotched. An exceedingly large, three-blotched strain, with upper petals finely lined; great diversity of finest colors.	72040	1 50	5 00
Cassier, Finest Mixed. Flowers of grand size, beautifully spotted.	72050	1 50	5 00
Masterpiece. Curled, wavy petals; splendid colors; distinct	72060	1 50	5 00
			25
			25
			25

PANSY—Continued

	½ Oz.	Oz.	Pkt.
Madame Perret. A splendid giant-flowered strain comprising all shades of red from light rose to dark purple, some of them finely striped	72030	\$1 25	\$4 00
Parisienne, Mixed. Handsome, large-flowering strain	72120	75	2 50
Fine Large English. All colors mixed	72130	75	2 50
Mixed. Ordinary strain	72140	20	1 25
Azure Blue. Very fine color	72160	85	3 00
Black Blue. Dark velvety blue	72170	75	2 50
Black (Faust; King of the Blacks). Almost coal black	72180	85	3 00
Bronze. Golden bronze	72190	75	2 50
Cardinal. Brilliant red; very fine	72200	85	3 00
Coquette de Poissy. Distinct mauve, shading to white on petals.	72210	85	3 00
Emperor William. Splendid; ultramarine blue; very showy.	72240	1 00	3 50
Fairy Queen. Light blue, with white border.	72250	1 00	3 50
Golden Queen. Pure yellow (Yellow Gem)	72290	85	3 00
Light Blue. Lovely sky blue	72300	1 00	3 50
Lord Beaconsfield. Deep purple violet, shading to light blue.	72310	85	3 00
Meteor. Bright yellow and brown, attractively blotched and margined	72320	85	3 00
Odier, Five-blotched, Improved. Extra choice strain	72330	1 50	5 00
Orange. Very fine.	72340	1 25	4 00
President Carnot. Pure white petals, each with a deep blotch.	72360	1 25	4 00
Snow Queen (Candidissima). Pure satiny white	72390	75	2 50
White, with black center. Very showy	72410	75	2 50
Yellow, with Black Center. Splendid.	72420	1 25	4 00
TRIMARDEAU GIANT. This strain has remarkably large flowers, carried well above their leaves, and generally marked with large blotches; plants are extra vigorous and compact.			
Giant Adonis. Light blue; splendid	72480	1 25	4 00
" auriculæflora. Beautiful shades.	72490	85	3 00
" Azure Blue (Light Blue). Pure color	72500	85	3 00
" Bridesmaid. Most beautiful rosy white ground, with dark center blotches	72510	1 00	3 50
" Emperor William. Cornflower blue.	72515	75	2 50
" Fire King. Very showy.	72520	85	3 00
" Hortensia, Red. Splendid.	72530	1 00	3 50
" Indigo Blue. Very rich color.	72540	1 00	3 50
" Lord Beaconsfield. Lavender and purple.	72550	1 25	4 00
" Psyche. Velvety violet with broad white edge, beautiful.	72556		10
" Prince Henry. Darkest blue; splendid.	72560	1 00	3 50
" Ruby King. Richest shades of red, scarlet, orange-scarlet and wine-red.	72570	1 00	3 50
" Striped.	72580	1 00	3 50
" White.	72590	1 00	3 50
" White, with Dark Eye.	72600	1 00	3 50
" Yellow. Dark center.	72610	1 00	3 50
" Pure Yellow (Golden Crest).	72620	1 25	4 00
" Mixed.	72660	1 00	3 50

Choice Collections of Giant Pansies, or Heartsease—

	Each Collection
10 varieties	72695 \$1 75
8 varieties	72705 1 50
6 varieties	72715 1 10

PARIS DAISY. See *Chrysanthemum frutescens*.

†PASSIFLORA (Passion Flower). Pkt.

cærulea (hhP). Blue 72780 10

incarnata (hhP). Pink 72810 10

PEAS (Sweet Peas). See page 74.

PELARGONIUM (gP). Beautiful and well-known plants for greenhouse and house culture. Popularly called "Lady Washington Geraniums"; 2 ft. Pkt.

Show Varieties, Large-flowered, Mixed. 72840 50

Odier (Blotched), Superb Mixed. 72850 . 50

PENTSTEMON Beautiful herbaceous perennials; very hardy and free flowering; fine for

PENTSTEMON—Continued

beds and borders or rock gardens; excellent cut-flowers. Pkt.

antirrhinoides. Lemon yellow; 1½ ft. 72870 25

centranthifolius. Bright scarlet; 2 ft. 72880 25

†Hartwegii grandiflorus, Mixed. Large-flowered varieties; most brilliant colors; 2½ ft. 72910 10

Murrayanus grandiflorus. Scarlet shades; 3 ft. 72920 10

Mixed Large-flowered Varieties. 3 ft. 72930 10

PETUNIA—Continued

Perfection Mixed. Choicest fringed	Pkt.
sorts	73440 25
Giant Kermisina or Midnight.	73450 50
DOUBLE LARGE FLOWERING. Our seed will produce flowers large, fragrant, elegantly formed and beautiful either for house, garden or conservatory. Only a small proportion of the double strains bear double flowers. The reason of this is the fact that the seed must be selected from single flowers, the double ones not producing seed. The single flowers must be pollinated with pollen from the double ones. Cuttings may be made from double-flowered plants and inserted in light, sandy loam for rooting, thus increasing the percentage of double-flowering plants.	
Double Large-flowering, Mixed.	Pkt.
73470	50
" Fringed Crimson. Gorgeous colors; extra large flowers.	
73480	75
" Fringed Heliotrope. Mauve and heliotrope colorings.	
73490	75
" Fringed Lady of the Lake. Exquisite flowers of finest size and purest white.	
73500	75
" Fringed Perfection, Mixed. Flowers large and much be-ruffled	73510 75

PETUNIA—Continued

SINGLE BEDDING VARIETIES. Smaller-flowered sorts, found most valuable for beds and masses; 1 ft.		Pkt.
Countess of Ellesmere. Dark rose, with fine white throat	73540	10
Howard's Star. Rich crimson; distinct white star in center; very showy	73550	10
Rosy Morn. Bright, rosy pink, with white throat; very charming, compact, and free flowering; for bedding	73560	15
venosa. Various colored, beautifully veined	73570	10
White. Pure white; compact grower	73580	10
Inimitable Dwarf. Mixed. Compact grower, star-shaped flowers.	73585	10
" Mixed. Striped and spotted	73590	10
Mixed Single. Fine colors.		
¼ oz. 40c., oz. \$1.25..	73600	10
PHACELIA. Showy, hardy annuals of easy culture, doing best in a sunny situation; bell-shaped flowers; excellent for bees.		
campanularia. Rich, deep blue; 9 in. Pkt.	73690	5

PHLOX DRUMMONDII

(Flame Flower.) The hardy annual Phloxes are dazzling in effect, particularly so when sown in masses or ribbon beds of contrasting colors. Few flowers are so easy to grow from seed, so pretty and compact in habit, so quick to bloom, or give such a brilliant display of color for so little cost and care. There are few desirable colors beyond their range, and if given good soil and plenty of water, they will furnish a long supply of delicate flowers. For pot culture, as trailers, and as an undergrowth for tall, bare-stemmed plants they are also valuable. The first sowings should be made as soon as the frost is out of the ground in Spring, later ones in May, either where the plants are to bloom, or in a seed-bed, as the Phlox transplants readily. In transplanting set the taller kinds about a foot apart; if planted too thickly they suffer from mildew. Cutting away the flowers and seed-pods makes the plants more bushy and compact, and lengthens their blooming time. Average height, 1 ft.

GRANDIFLORA. This section has beautiful, round-petaled flowers, larger than in the older sorts; showy and constant, blooming in the greatest profusion from early



Phlox Drummondii, Assorted

PHLOX Drummondii Grandiflora—Continued

Summer to frost. Our strain is far superior to that ordinarily sold.	far Pkt.
Alba. Pure white flowers borne in profusion all Summer..	73770 10
" oculata. White, with violet eye.	73780 10
atropurpurea. Dark purple	73790 10
Chamois Rose. A soft shade..	73800 10
coccinea. Large; brilliant scarlet; very free flowering	73810 10
Crimson. Bright color	73820 10
Isabellina. Yellow	73830 10
kermesina splendens. Vivid crimson; extra-large flowers	73840 10
rosea. Rose	73850 10
stellata splendens. Star-like; crimson	73860 10
Mixed. Splendid, large-flowering sorts. ¼ oz. 50c., oz. \$1.50.	73870 10
DWARF VARIETIES. Plants of this charming section grow only 6 to 8 in. high and form dense masses of bloom all Summer. They are especially useful for beds, edgings, pots, etc.	
Chamois Rose. Very fine.	73950 15
Fireball. Flame red; fine for pots and for edging	73960 15

PHLOX Drummondii—Continued

Snowball. Pure white; fine for pots.	73980 15
grandiflora nana compacta (Cecily Phlox). Mixed	74010 10
Fancy Mixed	74030 10
STAR PHLOX —	
cuspidata (Star of Quedlinburg). Star shaped; many colors..	74050 10
PERENNIAL PHLOX. These hardy sorts make bushes about 3 ft. high and bear large heads of finely colored flowers.	
decussata, Mixed.	74090 10
Large-flowered Hybrids, Mixed.	74110 15
†PHYSALIS Francheti (Chinese Lantern Plant). A splendid hardy perennial, very ornamental; has large orange fruits which, dried, are beautiful in Winter bouquets; 2 ft.	
PHYSOSTEGIA (Obedient Plant). A valuable, Summer-flowering, hardy perennial border plant; delicate, white flowers on long stems; good for cutting; 3 ft. Pkt.	
grandiflora virginica. Rosy pink.	74190 25
" alba	74200 25

PICOTEE (Picotee Pink). These beautiful greenhouse varieties have richly colored edged flowers and are finely perfumed; very attractive; 1½ ft. Pkt.

White Ground. Colored edges.. 74230 50

Yellow Ground. Very desirable. 74240 50

Extra Fine, Mixed. Show varieties. 74250 50

See, also, *Carnation* and *Pinks*.

PINKS (*Dianthus*). In this large and greatly varied genus are some of our most beautiful and best-loved flowers, unsurpassed for color and fragrance. They are hardy biennials that bloom finely the first season, remaining green all Winter and blooming the next year also, if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the Spring, or in an open, sheltered bed. The seedlings are easily transplanted and should stand 8 to 12 in. apart; dwarf ones about 6 in. If especially large, brilliant flowers are desired a bed of well-mixed turfy loam, leaf-mold and well decayed manure should be prepared for them. Average height, 1 ft.

CHINENSIS (China or Indian Pinks). The flowers of all are double and showy. Pkt.

Double White China Pink... 74280 5

" **Mixed China Pink.** All best colors.

¼ oz. 25c., oz. 80c... 74290 5

HEDDEWIGII (Japan Pinks). Unusually large and brilliant; often oddly edged, striped and ringed. Pkt.

Single, The Bride (Little Gem).

White, with purple center.

74320 10

" **Crimson Belle.** Flowers large and handsome; dark red; on long, stiff stems.

74330 10



Dianthus Plumarius

PINKS, Hedderwigii—Continued

Pkt.

- Single, Eastern Queen. Rose-colored flowers, 2 to 4 in. across; finely striped and stained. **74340** 10
- " Queen of Holland. Splendid: white **74350** 10
- " Mixed. $\frac{1}{4}$ oz. 25c., oz. 80c. **74360** 5
- " Mixed, Giant Flowered. **74370** 10
- " mixed nobilis (Royal Pink). Large, frilled and fringed flowers of a glowing blood-red, shadowing to carmine and pink and even white; vigorous and tall-growing; abundant, continuous bloomer; fine flower for cutting **74380** 15
- Double, Mixed. A splendid assortment. $\frac{1}{4}$ oz. 40c., oz. \$1.25. **74385** 10
- " diadematus fl. pl. (Diadem Pink). Double; magnificent in color and variety. **74390** 10
- " Fireball. Brilliant scarlet; very compact and floriferous vines; for massing. **74400** 10
- " Mourning Pink. Very large, double flowers of blackish crimson, fringed white; very effective, and a handsome cut-flower. **74410** 10
- " Dwarf Snowball **74420** 10
- LACINIATUS**, mirabilis, Single, Mixed. Quite distinct, narrow foliage; on long stems; fine for cutting. **74430** 10
- " Oriental Beauty. Petals wide, crinkled, richly marked with pink, white, etc. **74440** 10
- " punctatus. Dark-shaded Princess Pink. Quite peculiar colors, such as purplish violet, blood-red, dark salmon, etc. **74450** 15
- " Salmon Queen. Beautiful rosy salmon; handsome single flowers. **74460** 10
- " Snowball. Large; double; white **74470** 10
- " Single, Mixed. Fringed flowers of all colors. $\frac{1}{4}$ oz. 50c., oz. \$1.50. **74500** 10
- " Double, Mixed. $\frac{1}{4}$ oz. 50c. **74510** 10
- IMPERIALIS FL. PL.** (Double Imperial Pink). Robust, bushy grower, with large, double flowers. Pkt.
- Double, Mixed **74530** 10
- " Dark Red. A deep, rich color. **74550** 10
- " Dwarf White. Great snowy flowers; grows 9 inches high **74570** 15

PLUMARIUS (Sweet May Pinks). These are fine, fragrant, hardy perennials of the old-

PINKS, Plumarius—Continued

Pkt.

- time gardens, still reckoned among the most beautiful for massing and cutting. Pheasant's Eye. Pretty fringed flowers. **74600** 5
- scoticus (Double Scotch Pink). A series of exquisite colors; ours is the finest strain **74620** 50
- semperflorens (Perpetual Pink). Double, semi-double and single; of various colors **74630** 15
- Single Pinks, Mixed. $\frac{1}{4}$ oz. 30c., oz. 85c. **74650** 10
- Double and Semi-Double Grass Pinks. Pretty flowers of delicate colors **74680** 15
- Double Mixed. Extra fine. **74690** 10

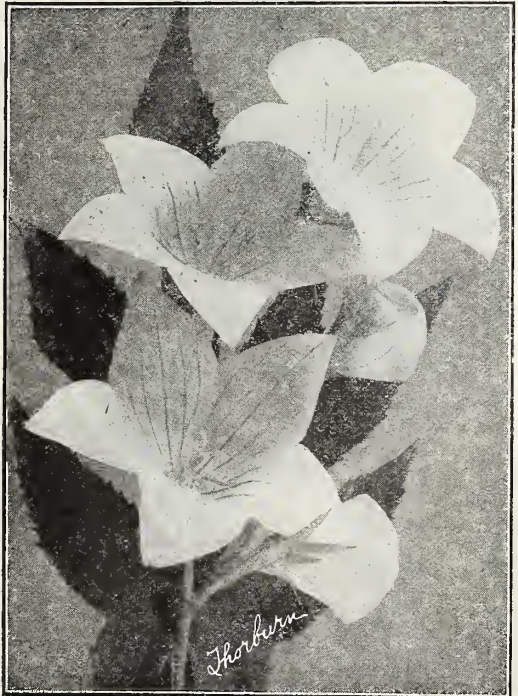
PLATYCODON (Wahlenbergia; Large Chinese Bell-

- flower). Handsome, hardy perennials that do best in light, dry situations; bushy growth; bear large, bell-shaped flowers in great profusion. See cut. Pkt. grandiflorum. Deep blue; 2 ft. **74800** 10
- " album. White; 2 ft. **74810** 10

- Mariesii. Dark blue; dwarf, compact habit; 1 ft. **74820** 10
- See also *Campanula*.

POLEMONIUM. See *Jacob's Ladder*.

- †**POLYANTHUS** (*Primula elatior*). Fine Spring-blooming and free-flowering, hardy perennials; alike suitable to pot or garden culture; 9 in. Pkt.
- Mixed **74900** 10
- Large Flowered, Finest Mixed. Fine collection **74910** 25
- Gold-laced. Very attractive and showy. **74920** 25



Platycodon

POPPY (*Papaver*). Before Tulips are fairly gone our gardens begin to be gay with Poppies. Few flowers have the same grace of stem, airiness of poise and delicacy of tissue. For beds and borders with a background of green there is nothing finer; some sorts are admirable for naturalizing in open wooded grounds; others, like the Shirley, are beautiful for cutting. A sandy loam suits Poppies best, and, as their strong tap-roots are difficult to transplant, it is well to sow seed where the plants are to bloom. Sowings made in Fall and at intervals in Spring will provide a long succession of flowers. Sow thinly, covering very lightly, and thin the plants to stand about a foot apart. The best plants are those grown from early sowings while the soil is cool and moist.

PERENNIAL VARIETIES. Tall, large flowered and showy; average height, 2 to 4 ft.

bracteatum. Glowing scarlet; on Pkt. long stems; 3 ft. **74950** 5

orientale. Enormous flowers of deep, flashing scarlet, with black spots in center; entirely hardy anywhere; fine for cutting; 3 ft. **74960** 10



Oriental Poppy

POPPY, Perennial Varieties—Continued

orientale. Brilliant. Vivid scarlet; beautiful	74970	10
" Carnea	74980	10
" Mauve	74990	10
" Mixed Hybrids. Finest shades	75010	10
nudicaule (Iceland Poppy). These dwarf, bright yellow Poppies form one of the chief attractions of the garden through several months. They are most beautiful when grown in masses from seed sown every year; if sown very early they bloom same season; 1 ft.	75030	10
" aurantiacum coccineum. Orange red. All of this class have crimped petals and peculiar grace	75040	10
" Album. Pure white.	75050	10
" Mixed	75060	10

ANNUAL VARIETIES. This section includes fine double and single flowers of greatly varying sizes, self-colored and daintily edged. All are easily cultivated and greatly admired. Average height, 3 ft.

Thorburn Giant White. White flowers of grand form and size, with silky petals; 3 to 4 ft. **75090** 5

Danebrog. Large; single; scarlet, with white cross at base of petals. **75100** 5

English Scarlet Field Poppy. oz. 75c. **75110** 5

Flag of Truce. Pure white; large and showy flowers **75120** | 5 |

Maid of the Mist. Pure white; single; very large; deeply fringed; 3 to 4 ft. **75130** 5

Mephisto. Beautifully fringed; varies from red and black to rose and white **75140** | 5 |

Mephisto rosea. Fine single **75145** 5

Miss Sherwood. Large; single; satiny white, with upper half of petals chamois rose **75150** | 5 |

Shirley Best Mixed. Indescribably bright, dainty and gauzy; a favorite for cutting. (See *Illustration page 117*). oz. 35c. **75160** 5

" **Santa Rosa Hybrids.** Beautifully crimped petals; shades of blue, lavender, salmon, etc. **75170** 10

glaucum (Tulip Poppy). Striking, Tulip-shaped flowers of intensely brilliant scarlet; dwarf ... **75180** 10

pavonium (Peacock Poppy). Intense scarlet, with broad bands of purplish black **75200** | 10 |

Virginia Poppy, Carnation Flowered, Single. Large, white flowers, with fringed soft pink edges; fine for cutting. **75210** 15

Single Mixed. oz. 25c. **75215** 5

POPPY, Annual Varieties—Continued

	Pkt.
Double American Flag. White, bordered with scarlet, and exceedingly brilliant flowers. 75220	5
" Cardinal. The immense scarlet flowers last unusually well .....75230	5
" Cardinal, Mixed .....75240	5
" Carnation-flowered Hybrid, White Swan. Pure white. 75250	5
" Carnation-flowered, Mixed. Very double, fringed. oz. 30c...75260	5
" Mikado. Large, white flowers, attractively fringed with rose. ....75270	5
" Pæony-flowered, Dwarf, Fireball. Deep scarlet; very large flowering ....75280	5
" Pæony - flowered, Snowball. Pure white; very large flowering .....75290	5
" Pæony - flowered, Dwarf, Mixed Hybrids. Hybrids of compact growth; splendid .....75300	5
" Pæony - flowered, Mixed. Large, handsome flowers of many colors ....75310	5
" Ranunculus-flowered, Mixed. Flowers small, finely formed, double. oz. 40c...75320...5	
" White .....75330	5
" Mixed, All Sorts. oz. 25c...75340...5	

PORTULACA This charming, little hardy annual is unrivaled for brilliancy among plants of low growth, and, although it flourishes under almost all conditions, hot sun and a light, sandy soil suit it best. Nothing is prettier for beds, edgings, rockwork, etc. As an undergrowth for taller plants it is also valuable. Through the driest, hottest seasons it flourishes amazingly, carpeting the ground with a mat of succulent foliage that, in the forenoon, is hidden by gayest of flowers. The seed does not germinate until hot weather, and should be sown late. This plant requires little care and can be transplanted in full flower. Average height, 6 in.

SINGLE VARIETIES. Each strong plant will cover a space of about 2 ft. in diameter.

	Pkt.
albiflora. Pure white .....75420	5
aurea. Deep, golden yellow..75430	5
rosea. Rich rose .....75450	5
splendens. Crimson .....75460	5
Thellussoni. Scarlet .....75470	5
Thorburni. Beautiful, bright yellow .....75480	5
Mixed ..¼ oz. 25c., oz. 75c...75490	5



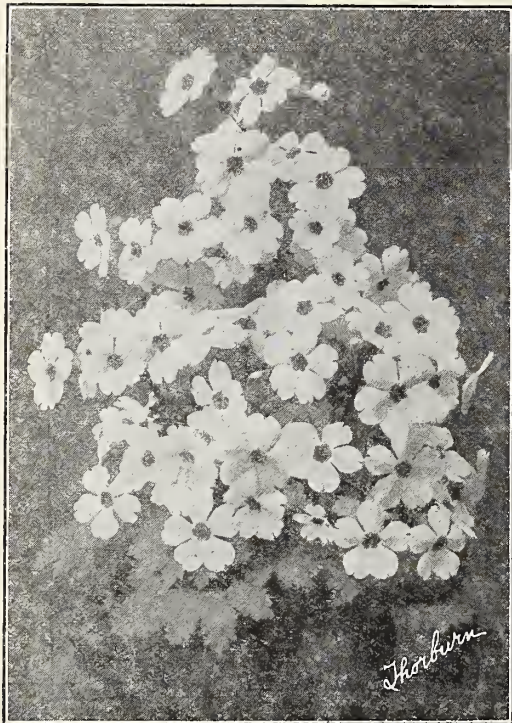
Shirley Poppies

PORTULACA—Continued

DOUBLE VARIETIES. The flowers are so full and perfect as to resemble tiny Roses. Toward the close of the season they will increase in size and beauty. As the full, double flowers do not produce seed, it must be saved from the semi-double flowers growing with the full-doubles. The product of that seed will produce many single flowers. As these bloom earlier they can be pulled out like weeds. When the full-doubles appear cuttings can be made from them and the bed extended indefinitely with only full-double flowers. *Our strains must not be confused with the ordinary, cheap seed usually sold.*

	Pkt.
Double Bright Red.....75510	20
" Kermesina. Crimson.75515	20
" Purpurea. Purple....75518	20
" Rose .....75530	20
" Salmon .....75550	20
" Scarlet .....75560	20
" Sulphur Yellow ....75570	20
" White .....75580	20
" Yellow .....75590	20
" Mixed. Grown from cuttings; a splendid assortment of colors .....75600	20

POTENTILLA. Handsome and brilliant in flower are these desirable, hardy perennials. Foliage ornamental; bloom all Summer; of the easiest cultivation; 2 ft. **atrosanguinea.** Dark red; especially fine for bedding75680 Pkt. 10
Mixed. Brilliant colors75690 10



Primula Stellata

PRIMULA

CHINENSIS (Chinese Primrose) (gP).

Primula, or Chinese Primrose, stands in the first rank among greenhouse plants, and is fine for Winter and Spring blooming. It is free flowering and is especially valuable for cutflowers and for house and window culture. A cool place suits it best. Sow the seeds in drills in a light, rich soil, in shallow boxes, at any time from the middle of March to the end of May; the earliest sown seed will naturally produce the earliest bloom. Cover the seed about an eighth of an inch and press the soil on them with a board or the bottom of a pot. Water moderately; avoid forcing the seed. The plants must be well ventilated, well watered, and slightly shaded. Average height, 9 in.

<i>fimbriata alba</i> . White; fringed.	Pkt.
	75720 25
" <i>alba magnifica</i> . Pure white; fringed; extra choice	75730 35
" <i>Bright Rose</i> . Dainty fringed flowers ..	75740 35
" <i>coccinea</i> . Bright red; fringed	75750 35
" <i>caerulea</i> . Blue; fringed.	75760 35
" <i>kermesina splendens</i> . Crimson; fine shade; fringed	75770 35
" <i>rubra</i> . Red; gracefully fringed flowers ..	75780 25
" <i>Extra Fine Mixed</i> . Fringed	75790 25

PRIMULA Chinensis—Continued

<i>fimbriata filicifolia</i> . All these are fringed and have fern-like foliage.	Pkt.
<i>alba</i> . White	75810 50
<i>Mixed</i>	75830 50
" <i>plena</i> . Beautifully fringed, double flowers.	
<i>rubra</i> . Red	75870 50
<i>alba</i> . White	75880 50
<i>Mixed</i>	75890 50
<i>stellata</i> , <i>Mixed</i> (Star Primulas).	
Very floriferous	75910 50
OBCONICA (gP). For open border, also do well in the house window-garden. Continuous and free bloomers during the Winter months.	Pkt.
<i>grandiflora alba</i> . White	76000 25
" <i>carminea</i> . Carmine.	76010 25
" <i>rosea</i> . Rose	76020 25
" <i>hybrida</i> , <i>Mixed</i> ..	76030 50
" <i>gigantea kermisina</i> , <i>carmine</i> . Red	76080 50
" <i>gigantea crimson</i> .	76090 50
" <i>gigantea rose</i> ..	76110 50
" <i>gigantea</i> , <i>Mixed</i> . Giant flowering	76120 50
(See illustration page 119)	

Forbesii (Baby Primrose) (gP). Rosy lilac, very free flowering and fragrant; fine for pots

Kewensis (gP). Large, bright yellow flowers; fragrant; strong grower. 76140 30

malacoides (gP). Dainty, soft lilac pink; fine for pot culture; 18 in. 76150 25

" *alba*. Fine white 76160 25

HARDY VARIETIES. The hardy Primroses are among the most prized of our Spring-blooming plants. A slight protection, while not always needed, will be found beneficial; 1 to 1½ ft.

japonica (Japanese Primrose) (hP). Purple; called the "Queen of Primroses;" 1½ to 2 ft. Pkt.

" *hybrida*, *Mixed* (hP). From a fine collection ... 76230 25

vulgaris (hP) (English Primrose). Yellow, fragrant; a favorite variety; 6 in. 76250 10

See, also, *Auricula*, *Cowslip* and *Polyanthus*.

PRIMROSE (Evening Primrose). The *Oenothera*, or Evening Primrose, blooms all Summer very freely; the bright, Poppy-like flowers open early every evening and last well into the next day; of the easiest culture in sunny situations

<i>Oenothera Drummondii</i> (hA). Light yellow; 1½ ft.	Pkt.
" <i>Lamarckiana</i> (hB). Large yellow flowers; 3 ft.	76310 5
" <i>rosea</i> (mexicana) (hA). Bright rose; 6 in. ..	76320 10
" <i>Mixed Annual Varieties</i> .	76330 10
	76370 5

PUERARIA Thunbergiana. See *Kudzu Vine*.



Primula Obconica grandiflora gigantea—See page 118

PYRETHRUM Showy, hardy perennials growing about 2 ft. in height, with most brilliant and lasting flowers. The dwarf Golden Feather is the well-known variety used for carpet bedding, edgings and borders.

	Pkt.
<i>atrosanguineum</i> . Red and dark red shades	76390 10
<i>roseum hybridum</i> , Single, Mixed.	76400 10
“ <i>hybridum</i> , Double, Mixed.	76410 25
† <i>parthenifolium aureum</i> (Golden Feather). Yellow, fern-like leaves; fine for edgings; 6 to 8 in.	76460 5
“ <i>aureum selaginoides</i> . Bright yellow leaves; very compact.	76470 10
“ <i>aureum</i> , Golden Gem. Fine, golden foliage; double flowering.	76480 10
<i>Tchihatchewii</i> . White and yellow; for poor soils	76490 10

REHMANNIA angulata. Splendid, half hardy, herbaceous perennials, with beautiful, large, rosy purple flowers, similar to those of *Incarvillea Delavayi*. For pot culture or outdoors in sheltered situations; 3 ft. 76530 25

RHODANTHE Beautiful, delicate-looking Everlasting flowers, much prized for Winter bouquets. These half-hardy annuals are also valuable garden plants. Glauous gray foliage; 1½ ft.

<i>maculata</i> . Rose with dark center.	Pkt.
“ <i>alba</i> . Pure white . . .	76570 10
“ Mixed	76580 10
<i>Manglesii</i> . Rose; very fine. . . .	76590 10
<i>RHODODENDRON arborcum hybridum</i> . The well-known, hardy evergreen shrub. Mixed varieties; 10 ft.	76600 25

RICINUS (Castor-Oil Plant). Picturesquely showy and imposing, the *Ricinus* gives to the garden magnificent semi-tropical effects. Grown as a specimen it makes a perfect pyramid of gigantic leaves; a dozen plants in a large bed show a glorious mound of glistening colors and may be admired from a long distance; planted thickly it soon forms a handsome screen or hedge; the lower-growing dark-leaved sorts are beautiful for dotting here and there among Cannas, scarlet Pelargoniums, etc. Tall varieties grow from 8 to 10 ft. high, with leaves several feet across and beautifully lobed. Half-hardy annuals.

<i>borboniensis arboreus</i> . Green foliage; 15 ft.	76680 5
<i>Cambodgensis</i> . Glistening dark maroon, stems black; 5 ft.	76690 5

RICINUS—Continued

Gibsoni. Dark red; 5 ft.	76700	Pkt. 5
hybridus Panormitanus. Cross between Cambodgensis and zanzibariensis. Huge, dark brown leaves, blue-powdered stems; upright habit.	76710	10
sanguineus. Red stems and seeds; 6 ft.	76760	5
zanzibariensis, Finest Mixed. 8' to 10 ft. oz. 35c...	76780	5
Mixed. Fine sorts... oz. 30c...	76790	5
collections of Ricinus, including 6 vars. choicest sorts	76820	25
ROCKET (Sweet Rocket; Hesperis). Spring flowering, hardy herbaceous perennials; fragrant; easily grown in light soil; transplant frequently; very free blooming.		
matronalis. Purple; 3 ft. ¼ oz. 20c., oz. 50c...	76880	5
" alba. White; fine cut-flower; 3 ft.	76890	5
" Mixed	76910	5
ROMNEYA Coulteri (California Tree, or Matilija Poppy). This beautiful, half-hardy, perennial Poppy should have a sheltered position in the garden. Fine, fragrant, white flowers; 4 ft.	76930	25
ROSA polyantha nana multiflora (†hP). Dwarf, compact bushes covered with small, single and double blossoms in various colors. These Roses		

ROSA—Continued

flower the first season from seed; Pkt. 2 ft.	76960	10
ROSE CAMPION. See <i>Agrostemma coronaria</i> .		
ROSE OF HEAVEN. See <i>Agrostemma Cali-rosa</i> .		

RUDBECKIA

(Coneflower). Attractive and compact growing plants, most suitable for beds and borders or clumps among shrubs; showy, large, yellow flowers with dark central cones; easily grown.		Pkt.
amplexicaulis (hA). Pure golden yellow; 2½ ft.	76990	5
bicolor superba (hA). Golden yellow; long stems; 2 ft.	77010	5
fulgida variabilis (hP). Various yellow shades; 2½ ft.	77020	10
Newmannii (hP). Vivid orange yellow; 3 ft.	77030	10
hirta hybrids, new. Hardy, dwarf perennial, with double, semi-double and single flowers of all shades; red, mahogany, chocolate, with purple or yellow centers	77040	25
RUMEX hymenosepalus. An ornamental hardy perennial from California, with long gray-green leaves; also known as pie-plant there, as the leaf stalks are used the same as Rhubarb. Of economic value as well, as its roots produce tannin. It is of easy cultivation, fine erect grower; 3 ft.	77060	10

SALPIGLOSSIS (Painted Tongue).

These showy, half-hardy annuals bear beautiful, funnel-shaped flowers having dark veins on a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light, rich, sandy loam and will respond to liberal treatment. Bloom from late Summer until frost; 2 ft.

grandiflora, Extra Choice, Mixed. A fine assortment of colors	77160	Pkt. 10
" superbissima, Yellow. Cheerful flowers.	77170	15
" superbissima chamois. Flesh color ..	77180	15
" superbissima, Light Blue	77190	15
" superbissima (Emperor), Mixed. Finest strain of very large flowers	77210	15
Tall Mixed .. ¼ oz. 35c...	77230	10
Dwarf Mixed. ¼ oz. 35c...	77240	10

SALVIA

(Flowering Sage). The *Salvia splendens* is a standard bedding plant that keeps the garden bright with color until late in Autumn. For pot culture, for cutting and for borders, etc., it

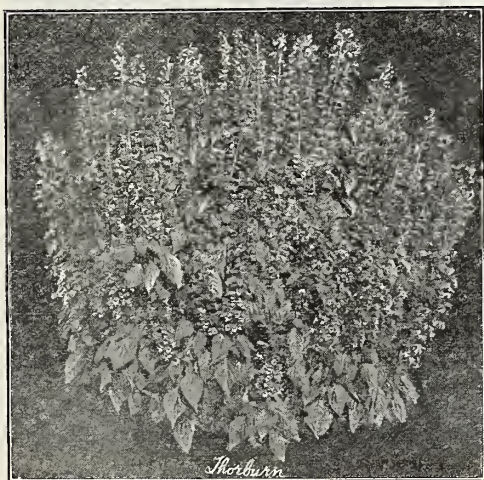


Salpiglossis

SALVIA Splendens—Continued

is very valuable. In this climate sow seed in window-boxes or frames in March or April, and set the plants outdoors the latter part of May; or sow outdoors not before June 1, and protect from heavy rains and strong winds. The plants grow and bloom profusely in any light, rich soil. Both the tender and hardy perennial sorts bloom the first year, and all are treated as annuals.

- argentea** (hP). Silver leaved; flowers white; blooms in Spring; 3 ft. **77300** Pkt. 5
farinacea (hA). Light blue flowers in great abundance; good for cutting; forms a neat bush; 3 ft. **77320** 10
patens. A handsome, tender perennial, with erect spikes of rich, blue flowers; fine for borders or the greenhouse; 2 ft. **77330** 25



Salvia Bonfire

SPLENDENS (Scarlet Sage) (hhP). These are the well-known bedders, single plants of which carry many long, flaming flower spikes open at one time, keeping up the display until frost.

- grandiflora**, Scarlet. A rich-flowered bedder; long spikes; 3 ft. **77360** Pkt. 10
Ball of Fire. Very dwarf and compact, ball-shaped variety, especially suitable for pot culture. The plants are about 2 ft. high to the top of the flower spikes, and about the same in diameter. Color dull red; large spikes, similar to No. 77410. **77390** 25
Bonfire. Our well-known, compact Salvia—the freest blooming of all, seemingly on fire all the time, with dense, flaming scarlet spikes; 2½ ft. **77400** 10
Early Dwarf Zurich. Grows only 12 to 15 in. high, with many fine, erect, slender spikes to each plant, borne well above its handsome foliage. Color brilliant scarlet; splendid bedding variety; earliest of all. **77410** 25
Lord Fauntleroy. Only 18 in. high; very compact, with the brilliant scarlet flower spikes standing clear above the foliage. Fine for bedding

SALVIA Splendens—Continued

in masses or for borders around beds of taller sorts; also fine for pots. Very early flowering. **77420** Pkt. 25

Scarlet Dragon. A superb bedding plant for Summer and Autumn; flowers are nearly twice the size of the old Scarlet Sage; when full grown the plants form bushes about 3 ft. in height, and the same in diameter, and are a mass of bloom. The brilliant scarlet effect is gorgeous. **77430** 25

Silverspot. Rich, green leaves elegantly spotted with yellow. The intense, bright scarlet flowers are large and lavishly borne; neat and compact; 2½ ft. **77440** 25

SANTOLINA. Valuable for its distinct foliage and is used for large specimens in shrubberies or as a carpet-bedding plant.

Chamæcyparissus (Lavender Cotton). (hP). Attractive, silvery gray foliage and yellow flowers; 1½ to 2 ft. **77460** Pkt. 10

SANVITALIA procumbens fl. pl. Beautiful, dwarf-growing, hardy annual for beds or borders; bright yellow, double flowers; blooms all Summer; 6 in. **77490** 10

SAPONARIA. Pretty, dwarf bedding plants, especially adapted for edgings and borders; long and profuse bloomers; 1 ft. Pkt.

- calabrica** (hA). Red **77510** 5
 “ **alba** (hA). White. **77520** 5
 “ **Scarlet Queen** (hA). Very brilliant **77530** 5
ocymoides (hP). Rose-colored flowers; trailing; blooms early; fine for rockwork; 6 in. **77540** 10

SAXIFRAGA Mixed Perennial Species. Interesting little plants; especially prized for all kinds of rockwork; also for hardy borders; 9 in. **77560** 10

SCABIOSA (Mourning Bride; Scabious, etc.). Well-established garden favorites. They grow about 2 ft. high, and flower through the summer until frost. The flowers are borne on long stems and last a long time when cut. Fine for beds or borders. Sow seed outdoors in Spring when danger from frost is past.

caucasica (Blue Bonnet) (hP). This hardy perennial should be in every garden. The flowers are large and semi-double, of pale lavender color, growing on long stems; splendid for cutting. **77590** Pkt. 10

HARDY ANNUALS—

- candidissima** fl. pl. (Snowball). Double; white **77600** 5
minor aurea fl. pl. Double; golden yellow **77610** 5
Tall Black Purple **77620** 5
 “ **Flesh Color** **77630** 5
 “ **Scarlet** **77640** 5
 “ **Yellow** **77645** 5

SCABIOSA—Hardy Annuals—Continued

<i>atropurpurea maxima</i> . Very double, Pkt.	
mixed	77650 15
Mixed, Tall. Large flowers of bright colors	77660 5
Mixed Dwarf	77670 5

SCHIZANTHUS Very beautiful and showy, hardy annuals, fine for beds and borders in the Summer garden; grown in pots in early Spring in the greenhouse they become elegant foliage plants, with masses of flowers; $\frac{1}{2}$ to 2 ft.

<i>papilionaceus</i> . Purple, yellow and Pkt.	
crimson	77750 5
<i>pinnatus</i> , Mixed. Floriferous	77760 5
<i>retusus</i> . Red; splendid	77770 5
“ albus. White, inside yellow; very fine	77780 5
<i>Wisetonensis</i> . Light shades; long and profuse blooming; fine pot-plant.	77810 25
Mixed	77840 5

SEDUM (Stonecrop). Showy and useful little plants for carpet bedding, edgings, rockwork, stone walls, etc. Will do well in any soil and dry situations.

SEDUM—Continued

<i>acre</i> (Golden Moss) (hP). Green foliage; yellow flowers; good for covering graves; 4 in.	77900 10
<i>caeruleum</i> (hA). Blue; 4 in.	77910 10
Mixed (hP). Many species; 9 in.	77930 5

SENECIO. See *Jacobaea*.

SENSITIVE PLANT. See *Mimosa pudica*.

SILENE (Catchfly). Bright-colored and free-flowering hardy annuals, suitable for rockwork or garden beds and borders, blooming all Summer; succeed finely in any light, loamy soil; 1 ft.

<i>Armeria</i> . Red	77960 5
“ alba. White	77970 5
<i>pendula</i> . Red	77980 5
“ alba. White	77985 5
“ Double Rose	77990 5
“ Bonnettii. Dark purple; dark stems	78010 5
“ Mixed	78020 5

‡**SMILAX** (*Myrsiphyllum asparagoides*).

A well-known greenhouse climber, with small, dark green foliage; of great value in floral work; 8 ft.

78050 10

SNAPDRAGON (*Antirrhinum*).

The Snapdragon is one of our finest perennials, flowering the first year from seed. Its bright-colored, curiously formed flowers always excite interest. The rich spikes are beautiful for cutting, and keep fresh a long time. Flower profusely through Summer until frost. For early flowers, sow under glass in February or March, and transplant into beds of warm, dry soil moderately enriched. The Snapdragon is treated as an annual and the seed sown every year. Average height, 2 ft.

TALL VARIETIES—

	Pkt.
<i>album</i> . White	78080 5
<i>atrococcineum</i> . Dark scarlet	78090 5
Coral Red	78095 10
Cottage Maid. Handsome pale pink with white throat	78098 10
Delicate Rose	78100 10
Fairy Queen (Firefly). Orange, white throat	78120 5
<i>luteum</i> . Yellow	78130 5
Romeo. Violet rose with pale lip.	78140 5
Mixed. $\frac{1}{4}$ oz. 20c., oz. 60c.	78160 5

TALL, LARGE-FLOWERING VARIETIES

	Pkt.
Blood Red. Fine color	78170 10
Delilah. White and carmine	78180 10
Firefly. Scarlet and white	78190 10
Galathee. Crimson and white	78200 10
Nelrose. Silvery pink, very long stems, fine for greenhouse	78205 30
Queen Victoria. Pure white	78210 10
Venus. Delicate pink, with white throat	78225 15
White. Beautiful for cutting	78230 10
Yellow. A pure, soft color	78240 10
Large-flowered, Mixed. Fine.	
$\frac{1}{4}$ oz. 30c., oz. \$1.00	78270 1



Scabiosa



Snapdragon, Antirrhinum

SNAPDRAGON—Continued

SEMI-DWARF VARIETIES. Plants of this section make excellent bedders, as they bloom extra profusely and are only about 15 in. high.

Black Prince. Nearly black..	78310	Pkt. 10
BONFIRE. Lovely orange pink.	78320	15
COTTAGE MAID. Pale coral pink, white throat	78330	15
Crimson King. Bright crimson; a deeper color than Scarlet King.	78340	15
grandiflora, Golden Queen. Yellow.	78350	10
Queen of the North. Pure white; small leaved	78360	10
Rose Dore. Pretty, self-colored salmon rose	78370	25
Silver Pink. Splendid semi-dwarf variety; delicate silver-pink flowers, fine for greenhouses	78375	25
Scarlet King. Brilliant scarlet; tall spikes of flowers	78380	15
Fine Semi-dwarf Mixed	78400	10
Tom Thumb, Finest Mixed. Very dwarf strain; 6 in	78410	10
See also Novelties for new sorts		
Collection of Snapdragon including—		
6 vars Finest Tall	78450	30

SOLANUM (gP). The Solanums are very ornamental, fruit-bearing plants, and thrive best in light, rich soil. Fine for Winter decoration in the house or conservatory. If used in Summer garden give very warm situation; 1 to 3 ft.

capsicastrum (Jerusalem Cherry), Scarlet, globular berries; fine for pots; 1 to 1½ ft.	78480	10
giganteum. Small, round, red berries; large, handsome variety	78490	10
†Seafortianum. Beautiful climber; egg-shaped, yellowish red fruit; 8 ft.	78510	10
Warscewiczii. Pale yellow fruit; smooth and shining; handsome sort.	78520	10

STACHYS lanata (Lamb's Ears). Ornamental hardy perennial, with silvery white, woolly leaves; used for edgings and borders; easily grown; 1½ ft.

STATICE (Sea Lavender). Pretty plants for the Summer garden in beds or borders; good for rockwork also; much valued when dried as Everlastings for Winter bouquets; 1 to 2 ft.

Bonduellii (hA). Golden yellow.	78630	Pkt. 5
sinuata (hA). Blue; very fine.	78640	5
“ candidissima (hA). White; fine for edging	78650	5
Suworowii (hA). Spikes of bright rose flowers; free bloomer; very handsome	78660	10
incana hybrida nana (hP). Dwarf; mixed colors	78670	5

STEVIA serrata (†gP). Greenhouse perennial; bears very elegant sprays of tiny white, fragrant flowers which are splendid for cutting; 2 ft.

STOCKS (Matthiola). Stocks have good habit, fine leaves, beautiful and

fragrant flowers, a long season of bloom and adaptability to many conditions of culture. They are unsurpassed for bedding, edging, pot culture and for cutting. For fine early flowers sow under glass in March or April, transplanting the seedlings when an inch high into other pots or boxes, or into fine soil spread over some discarded hotbed. In May transfer to garden beds of deep, rich soil, setting the plants a foot apart. Transplanting several times in the early stages of growth tends to make them more dwarf and compact. For later flowers sowings may be made in the open ground in May. If plants that begin to bloom late are carefully potted in Fall they will flower finely all Winter in a house that is tolerably cool and moist. Average height, 1 to 1½ ft.

GERMAN TEN WEEKS. Half-hardy annuals.

Large-flowering Dwarf Pyramidal. Pkt.

Finest Mixture

Dwarf Large-flowering. Long, splendid spikes; large, double flowers.

Bright Red

Blood Red. Very rich

Canary Yellow.

STOCKS—Continued

	Pkt.
Carmine.	78890 10
Dark Blue. Beautiful	78910 10
Lavender.	78920 10
Light Blue. Exquisite	78930 10
Rose. Very dainty, light color.	
	78940 10
Salmon.	78945 10
Snow White.	78950 10
Violet.	78960 10
Mixed.	78980 10

DRESDEN PERPETUAL OR BRANCH-ING.

"Cut-and-Come Again" ("Princess Alice"), White. Profuse and perpetual-blooming; double, white flowers, fine for cutting ...	Pkt. 25
"Empress Augusta Victoria." Delicate silvery lilac flowers in magnificent trusses; of true pyramidal growth; height 24 in.	79010 25
Mixed	79020 25

GOOD MIXED STOCKS 79070 5

WINTER "NICE" VARIETIES,
LARGE-FLOWERING—

Abundance. Carmine-rose; profuse.	
	79310 25
Beauty of Nice. Flesh-color; extra-large flowers	79320 25
Monte Carlo. Pure yellow.	79330 25
Pure White	79340 25
Queen Alexandra. Rosy lilac.	79350 25
Mixed	79370 25

STOKESIA (Cornflower Aster). This popular hardy perennial bears, all Summer,

STOKESIA—Continued

large, attractive flowers resembling semi-double Asters; fine for cut-flowers; 2 ft.	
Cyanea. Lavender-blue; handsome.	Pkt. 79610 10
Cyanea Mixed	79630 10

STONECROP. See *Sedum*.

SUMMER CYPRESS. See *Kochia trichophylla*.

SUNFLOWER (*Helianthus*). Very

stately and decorative hardy annuals, with great masses of yellow flowers. Among shrubbery, and for backgrounds and screens, nothing could be finer. Their long stems and wonderful lasting qualities make them valuable as cut-flowers. They are said to be good for absorbing the miasma of low grounds. Plant the seed in the open garden in Spring, and thin the plants to stand 3 to 4 ft. apart.

argyrophyllus (Texas Silver Queen). Has handsome silvery foliage and a profusion of small, elegant, single flowers; 4 ft	Pkt. 79670 5
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cucumerifolius. Of pyramidal growth; small, bright orange, single flowers; 3 ft.	
	79680 5

" Stella. Handsome; large-flowered; primrose-yellow ...	79700 10
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" Orion. A very handsome variety, with petals twisted like those of the best Cactus dahlias; long, stiff stems; excellent for cutting ...	79710 10
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" Single Fine Mixed.	
1/4 oz. 25c., oz. 75c.	79730 10

Double California. Dark yellow; 5 ft.	
	79740 5

" Dwarf. Beautiful, Dahlia-like flowers, 3 in. across.	
	79750 5

" Dwarf Variegated-leaves. Foliage spotted with yellow; flowers bright yellow. Very fine	79760 5
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" Globe-flowered. Ball-shaped; blooms late; 3 ft.	79770 5
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" Green-centered. Odd and attractive; 3 ft.	79780 5
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" Chrysanthemum-flowered.	
	79785 5

Primrose-colored. Graceful flowers of a lovely color; beautiful for cutting; 5 ft.	79810 5
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Sutton's New Red. Of freely branching habit, producing numerous well shaped, dark centered, brilliant flowers, banded with bright chestnut red, merging to yellow at tips of the petals	79815 10
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SWEET PEAS (*Lathyrus odoratus*). See page 74.

SWEET SULTAN. See *Centaurea moschata*.



Stocks, Beauty of Nice

Sweet William (*Dianthus Barbatus*)**SWEET WILLIAM** (*Dianthus Barbatus*). The

splendid old-fashioned hardy biennial, producing large heads of beautifully colored, sweet-scented flowers in abundance; easily grown, flowering the second year from seed; 1½ ft.

Single Auricula-flowered oculatus marginatus (Hunt's Perfection). Various shades, with white eye and white bordered.

"	Crimson	79920	5
"	Pink Beauty (roseus). Rosy chamois	79930	5
"	Scarlet Beauty. Brilliant scarlet; very fine	79940	15
"	White	79950	15
"	Mixed	79960	5
"	Mixed	79970	5

Double Auricula-flowered oculatus marginatus. Handsome flowers in large clusters.

"	Crimson	79980	10
"	White	79990	10
"	White	80000	10
"	Mixed	80010	10

†**TACSONIA manicata** (Scarlet Passion Vine) (hhP). A magnificent perennial climber, producing an abundance of large scarlet blossoms. Start the seed in pots, and transplant; 25 ft. 80060 25

See, also, *Passiflora*.

TAGETES (hA). Pretty, dwarf-growing, single-flowering Marigolds; fine for beds and especially so for edgings.

"	lucida. Yellow; fragrant; good for cutting; 1 ft.	80090	10
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TAGETES—Continued

signata pumila. Bright golden yellow; bushy habit; fine for edgings; 8 in. 80100 10

See, also, *Marigolds*.

TASSEL FLOWER. See *Cacalia*.

TECOMA Smithii (gP). Splendid greenhouse shrub; winter blooming; fine for pots; large heads of innumerable flowers, lemon with orange; 6 ft. 80130 25

†**THUNBERGIA** *alata*, Mixed. A very pretty, rapid-growing, tender perennial climber that is usually grown as an annual. Prized for window-boxes, vases, hanging-baskets, trellises, etc.; 6 ft. 80160 10

TOAD FLAX. See *Linaria*.

TORENIA. Beautiful tender annuals that, started early in the Spring in heat, will bloom continuously all Summer until frost; fine for vases, baskets and the Summer garden; 10 in.

"	Fournieri. Sky-blue, with purple spots and yellow throat.	80190	25
"	alba, "White Wings." Pure white with yellow throat.	80200	25
"	Fine Mixed. Very choice.	80210	25

†**TRACHELIUM caeruleum** (hhP). An attractive late-flowering perennial suited to culture as an annual; pale blue flowers; good in garden or greenhouse; 1 ft. 80240 10

†**TRICHOSANTHES colubrina** (Snake Gourd, or Serpent Cucumber). Rapid-growing, climbing, half-hardy annual, with slender fruit, often 3 ft. long, turning carmine when ripe; 10 ft. 80280 5

See, also, *Cucumbers* and *Gourds*.

TRIFOLIUM suaveolens (hA). An ornamental, trailing clover with purple flowers; very sweet-scented; makes pretty beds 80300 5

TRITOMA (Red - Hot - Poker Plant).

This splendid half-hardy perennial is also well known as Torch Lily; has gorgeous spikes of bloom; easily grown; should be largely planted. Fine in late Summer and Fall.

"	Uvaria grandiflora. Fiery orange flower-spikes, large and showy; 3-to 4 ft.	80330	10
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TROLLIUS Mixed Hybrids (Globe Flower). Desirable hardy perennial with large, buttercup-like blossoms; free-flowering through the early Summer; do well in any soil. Flowers vary from pale yellow to deep gold, bordering on vermillion; 1½ to 2 ft. 80360 10

TROPAEOLUM. See *Nasturtium*.

TROPAEOLUM canariense. See *Canary-Bird Flower*.



Tritoma—see page 125

†VALERIANA (Valerian). Very handsome hardy perennials that have been too much neglected; bloom all Summer. Fine for borders, wild gardens and rockwork; of easiest culture; 2 ft.

alba. White	80460	Pkt. 5
rubra. Red	80470	5
Mixed	80480	5

VENUS' LOOKING GLASS (*Specularia*). A pretty little hardy annual, blooming profusely in Spring and Summer, and desirable for edging flower-beds and borders; of easy culture; 9 in.

Blue	80530	Pkt. 5
White	80550	5
Mixed	80560	5

VENUS' NAVELWORT (*Cynoglossum linifolium*). An elegant hardy annual for beds or edgings; of easiest culture; glaucous green leaves and white flowers; blooms all Summer; 10 in. 80590 15

VERBASCUM pannosum. A stately and decorative hardy perennial, with large, white, woolly leaves and splendid spikes of sulphur-yellow flowers; fine for backgrounds; 4 to 5 ft. 80610 10

VERBENA (hhA). In rich soil, single plants of this pretty annual creeper will carpet a space 3 to 4 ft. in diameter. For beds, borders, mounds, window-boxes, etc., it is particularly fine, and is frequently used as an undergrowth to tall plants like Lilies. Plants raised from seed are cheaper, more vigorous and produce more flowers than those grown from cuttings. For early Spring bloom, sow under glass in February, for later flowers sow in March or April. Soak the seed a few hours in tepid water and sow in boxes filled with light, rich soil; cover one-fourth of an inch deep, press down firmly and water sparingly. When the seedlings are about an inch high, transplant into other boxes. Use a liberal amount of manure in the beds, and set out 10 to 15 in. apart each way in May in a sunny situation. The plants bloom from early Summer until frost.

hybrida auriculiflora . Brilliantly colored flowers of fine size, each with a large, white eye.	Pkt. 10
“ Black-Blue, White Eye	80630 10
“ candidissima . Large trusses of purest white flowers.	80640 10
“ caerulea . Bright blue in various shades.	80650 10
“ Defiance . Intensely brilliant scarlet; fine for bedding.	80660 10
“ italica striata . Brightly striped.	80670 10
“ Scarlet . Different shades.	80680 10
“ Yellow . Primrose-color.	80690 10
“ Mixed . ¼ oz., 25c.	80700 5
“ Finest Mixed . Extra choice.	80720 5
“ Grandiflora, Helen Willmott . Bright salmon-rose with white eye.	80730 10
“ Mammoth, Rose-Queen . Brilliant rose-colored flowers, 1 to 1½ in. across when well grown, produced in magnificent large umbels.	80740 25
“ Mammoth, Blue	80750 25
“ “ Pink	80752 25
“ “ Scarlet Defiance	80754 25
“ “ Striped	80756 25
“ “ White	80757 25
“ “ Yellow, lutea	80758 25
“ “ Mixed . Plants and flowers are unusually large; extremely floriferous, and borne in large heads.	80759 25
“ Improved Mammoth, Mixed Auricula-flowered . Best of all.	80760 10
Compacta erecta, Mixed	80770 25
erinoides . Small, violet; heavy bloomer; pretty.	80790 10
venosa . Blue; fine for groups and for edgings.	80810 10
citriodora (Lemon-scented Verbena). An attractive greenhouse shrub, grown for the delightful citron scent of its light green leaves.	80830 10
	80840 10



Verbena Hybrida

VERONICA (Speedwell), Mixed Perennial Species. Splendid, hardy border plants of the easiest culture; bear bright-colored flowers all Summer; 1 to 2 ft. **80890** 10 Pkt.

†VINCA (Madagascar Periwinkle) (tP). Handsome, bushy bedding plants that flower luxuriantly and most profusely all Summer from seed sown in February or March in heat; fine also for pot culture in window-garden or greenhouse; 1 to 1½ ft. **80940** 10 Pkt.
 rosea. Red **80950** 10
 " alba. White, with rose center; dainty flowers **80960** 10
 " alba pura. Pure white; makes brilliant contrast with the dark green, shining foliage. **80970** 10
 " Mixed **80980** 15
 Delicata. Soft delicate shade of pink, very desirable for rockery and shrubby borders; the plants are quite hardy **80990** 15

VIOLET Sweet Scented (*Viola odorata*) (hhP). Much prized for Spring blooming. All the varieties have great beauty, are very fragrant and quite hardy; 6 in. Violet seed takes a long time to germinate. Pkt.
 Blue **81000** 10
 The Czar. Very large; dark blue. **81010** 10
 White **81020** 10

†VIOLA cornuta (Tufted Pansies) (hhP). Splendid free-blooming plants for partially shaded situations; with a little Winter protection will be permanent for years; bloom continually all the season until frost; 6 in. Pkt.
 cornuta, Purple Queen **81040** 10
 " Mauve Queen **81050** 10

VIOLA—Continued

cornuta, White Perfection **81060** 10 Pkt.
 " Mixed **81065** 10
 pedunculata (California Yellow Violet) **81070** 25
VIRGINIAN STOCK (*Malcomia maritima*). Early and very free-flowering, dwarf, hardy annuals of easy culture; bright blossoms; most effective for edgings or beds; 1 ft. Pkt.
 Crimson King. Very fine. **81100** 5
 Red **81110** 5
 White **81120** 5
 Mixed. **81130** 5
VISCARIA. Abundant-blooming, hardy annuals, flowering all Summer until frost; very effective for massing in beds and borders; easily grown; 1 ft. Pkt.
 elegans picta. Rose and scarlet. **81150** 5
 oculata. Rose, with dark eye. **81160** 5
 " alba. White **81170** 5
 " candida. Pure white; fine. **81180** 10
 " caerulea. Sky blue, dark center. **81190** 5
 " Mixed. Bright colors **81200** 5

WALLFLOWER (*Cheiranthus* Cheiri). Well-

known, half-hardy perennials of delightful fragrance, bearing in Spring and early Summer long spikes of bright flowers. Start the seed early in the season in heat, protect by coldframes during the following Winter and plant out for bedding in Spring. Fine also for blooming in greenhouse; 2 ft.

SINGLE-FLOWERING VARIETIES—

Eastern Queen. Very distinct shade, bright chamois, changing to salmon red **81240** 10 Pkt.
 Feltham Early. Large; brown-red; fine **81250** 10
 Golden King. Very large, golden yellow flower **81260** 10
 Linnaeus. Fine; white **81265** 10
 Rose Queen. A lovely terra-cotta pink **81270** 10
 Ruby Gem. Very rich ruby color. **81280** 10
 Vesuvius. New. Orange, scarlet and bronze **81285** 25
 White Dame. Large, creamy white flowers of dwarf, compact habit. **81290** 10
 Single-Flowering Dwarf Sorts, Mixed **81300** 10
 Fine Mixed. Very showy mixture. **81320** 5
ANNUAL, Mixed. This annual or extra-early flowering strain, if started early in heat, will bloom the same season; 1 to 1½ ft. **81340** 15
 Early Paris Market **81350** 15

DOUBLE-FLOWERING VARIETIES—

Double Tall Branching, Mixed. 2 ft. **81370** 25
 Double Dwarf Branching, Mixed. 1 ft. **81390** 25



Wallflower—see page 127

WHITLAVIA Easily grown, hardy annuals of compact habit; excellent for beds or borders; bears in profusion all the season pretty, bell-shaped flowers; 1 ft.

	Pkt.
gloxinioides. Blue, with white throat.	81480 10
grandiflora. Blue.	81490 5
.....".....alba. White	81500 5

***WIGANDIA** (hhP). Imposing decorative plants with very large and beautifully veined leaves; prized for subtropical gardening and groups on lawns. Start the seeds very early in the season in heat to produce good plants for Summer beds; 6 ft.

	Pkt.
caracasana. Grand foliage	81530 10
Vigieri. Very large leaved	81540 10

XERANTHEMUM This well-known, hardy annual is one of the oldest and prettiest of the "Everlasting" flowers, and in Winter bouquets retain their color and form for years. Fine for beds and borders; in bloom all the season until frost; 1½ to 2 ft.

XERANTHEMUM—Continued

	Pkt.
Double Purple	81570 10
" Rose	81580 10
" White	81590 10
" Mixed	81600 10

YUCCA filamentosa (Adam's Needle). One of the best Summer ornamental, hardy perennial plants, when both foliage and bloom are considered; elegant spikes of creamy white, fragrant flowers; broad, sword-like leaves; 5 to 6 ft.81650 10

ZINNIA (Youth and Old Age). Few flowers are so easily grown from seed, or bloom so abundantly and continuously as this hardy annual. Sow the seed in the open ground early in Spring. From July until the first hard frost Zinnias are incomparably bright; the plants grow a foot or more in height and are covered with large, double flowers. Fine for beds and borders; in fact, in any location.

TALL MAMMOTH FLOWERING DOUBLE.

A distinct and splendid class of this ever-popular flower, producing extra large, double blooms; 2½ ft.

	Pkt.
Crimson	81680 15
Flesh-Color	81690 15
Scarlet	81695 15
Sulphur-Yellow	81700 15
Violet	81710 15
White	81720 15
Mixed	81730 15



Zinnias, Tall Mammoth Mixed

ZINNIA—Continued

TALL DOUBLE. For borders and groups; 2 ft.		Pkt.
Crimson	81770	5
Flesh-Color	81750	5
Lilac	81790	5
Purple	81800	5
Rose	81810	5
Scarlet	81820	5
Striped	81830	5
White	81840	5
Yellow, Sulphur	81850	5
“ Golden	81860	5
Mixed	81890	5
DWARF DOUBLE. More compact and of neater habit than the tall varieties; 15 in.		

DWARF DOUBLE—Continued		Pkt.
Bright Scarlet	81940	10
Crimson	81950	10
Purple	81960	10
Salmon	81970	10
White “Snowball”	81980	10
Yellow, Golden	81990	10
Mixed	82020	5
Lilliput, Scarlet Gem	82050	10
“ White	82060	10
“ Mixed	82070	10
Mixed Pompon	82090	10
Haageana, Double Mixed. 1½ ft.	82110	10
Curled and Crested, Mixed. 2 ft.	82130	10

MIXED ANNUAL FLOWER SEEDS

Bright colored, Summer-flowering, easily grown hardy annuals in the greatest variety for sowing broadcast.

Mixed Tall	82300	Oz. 25
Mixed Semi-Dwarf	82320	25
Mixed Annuals for Bees	82340	20
Mixed Annual Japanese or Paradise Mixture. A fine mixture of over 50 intermediate annuals in splendid diversity of colors, especially suited for small gardens, composed of early flowering and late varieties, flowers all Summer	82345	25

MIXED PERENNIAL FLOWER SEEDS

Tall Hardy Sorts, Mixed	82360	Oz. 25
Dwarf Hardy Sorts, Mixed	82380	25

For Choice COLLECTIONS of FLOWER SEEDS, see page 13.

PALM SEEDS

	Pkt. 100 seeds		Pkt. 100 seeds
Chamaecrops elegans argentea	15 seeds, \$0 15	\$0 50	
excelsa	30 “	10	25
Cocos australis	15 “	20	1 00
campestris	15 “	20	1 00
Corypha (Livistonia) australis (Cabbage Palm)	10 “	10	75
Dracaena australis	20 “	15	50
indivisa	25 “	10	25
Draco	30 “	25	50
Kentia Belmoreana	15 “	25	1 25
Canterburyana (Umbrella Palm)	8 “	50	
Forsteriana	15 “	25	1 50
Latania borbonica	25 seeds, \$0 10	\$0 30	
Musa Ensete (Abysinian Banana)	15 “	25	1 50
Pandanus utilis (Screw Pine)	8 “	15	1 50
Phoenix canariensis	15 “	10	40
dactylifera (Date Palm)	15 “	10	50
reclinata	8 “	10	80
rupicola	15 “	25	1 25
tenuis	15 “	10	40
Seaforthia elegans	8 “	10	75

CYCAS REVOLUTA STEMS (SAGO PALM) per pound 25 cts.

We receive these throughout the year direct from Japan, in various sizes.

ORNAMENTAL GRASSES

The Ornamental Grasses are very attractive to use in mixed flower-beds or borders, and for grouping by themselves give fine effects. Many of them, if cut before they are entirely ripe, will be found very useful, when dried, in the formation of Winter bouquets, in connection with the “Everlastings.”

Not less than one ounce of the cheaper sorts at the ounce rate.

*AGROSTIS (Cloud Grass) (hA). Very fine for bases and bouquets. Pkt.		*ARUNDO (Great Reed) (hP). Well adapted for large clumps; stately and ornamental; 10 ft. Pkt.	
nebulosa. Very delicate and graceful; 18 in.	82600	10	
pulchella. Good for bouquets; 1 ft.	82610	10	
			Donax foliis variegatis. Green leaves striped with white
			82660
			10

ORNAMENTAL GRASSES—Continued

Not less than one ounce of the cheaper sorts at the ounce rate

AVENA sterilis (Animated Oats) (hA). Pkt.		EULALIA —Continued		Pkt.
Drooping, curious and very graceful; 2 ft.		japonica zebrina (Zebra Grass). The dark green leaves are barred with creamy white; variegations run across foliage.		
.....82680		oz. 75c...83040		10
BRIZA (Quaking Grass) (hA). Well-known, graceful species; very fine for bouquets; 1 to 1½ ft.		GYMNOTHRIX . Curious and ornamental, single specimens are of striking effect; 3 ft.		
geniculata .....82710		Pkt.		
gracilis .....82720		japonica (hA). Long, narrow leaves; bears cylindrical spikes .....83130		10
maxima .....82730		latifolia (hP). Very ornamental; bears nodding spikes .....83140		10
BRIZOPYRUM silicum (hA). Dwarf species of Spike Grass; fine for edgings; 10 in. ....82750		*GYNERIUM (Pampas Grass) (hhP). Noblest of the tall-growing, ornamental Grasses. Bears magnificent plumes; needs protection in Winter; 4 to 6 ft.		
BROMUS (hA). Fine varieties for large Winter bouquets; 2 to 2½ ft.		Pkt.		
brizaeformis .....oz. 35c...82770		argenteum . Long, silvery white plumes; splendid.		
macrostachyus .....oz. 35c...82780		¼ oz. 25c...83160		10
madritensis . Very fine for dyeing.		" roseum . Rose-colored plumes .....83170		10
82790		HORDEUM jubatum (Squirrel-tail Grass) (hA). Bushy panicles; very effective for bouquets; 1½ to 2 ft. ....83210		10
CHLORIS barbatus vera (hA). Very neat species; for groups, baskets or edgings; 1 ft. ....82820		JOB'S TEARS . See <i>Coix Lacrymæ</i> .		
CHRYSURUS cynosuroides (hA). Pretty for edgings; silky plumes that become golden as they mature; 10 in. 82840		LAGURUS ovatus (Hare's-tail Grass) (hA). Small, silvery gray plumes; good in dried bouquets; 1 ft. oz. 30c...83270		5
COIX Lacrymæ (Job's Tears) (hA). Seed resembles a tear-drop; fine for massing; 2 to 3 ft. oz. 15c., lb. 75c...82860		PANICUM sulcatum (hP). Very showy; palm-like in form; 4 ft. ....83340		10
ELEUSINE (Crab, or Yard Grass) (hA). Highly interesting species.		PENNISETUM (hA). Very ornamental; fine for groups and bouquets.		
barcinonensis . 1 ft. ....82900		Pkt.		
coracana . 2 to 3 ft. ....82910		longistylum (villosum). Graceful, greenish white plumes; good in beds; 2 ft. ....oz. 40c...83370		5
indica (Wire Grass). 2 to 3 ft.82920		Rueppellianum . Violet-purple plumes; fine for edging beds of tall plants like Cannas; 2 to 3 ft. ¼ oz. 25c...83380		5
ELYMUS giganteus (hP). Splendid for groups; 5 ft. ....82940		POA amabilis (hA). Very pretty, ornamental Grass for edgings and bouquet-work; 2 ft. ....83400		5
ERAGROSTIS (hA). Pretty Grasses growing a foot or more high, and characterized by their beautiful dancing spikelets; all are handsome for bouquets.		*STIPA (hP). Popular and graceful species; splendid for bouquets; 2 ft.		
abyssinica . 2 to 3 ft. ....82960		Pkt.		
amabilis . 1 ft. ....82970		elegantissima . Very pretty plumes.		
elegans (Love Grass). 1 ft. oz. 40c...82980		83460		10
maxima . 2 ft. ....82990		pennata (Feather Grass). Delicate, silvery white feathery plumes; a favorite sort ...¼ oz. 30c...83470		10
+*ERIANTHUS Ravennæ (Plume Grass) (hP). Very stately and ornamental, fine, silvery plumes, splendid in lawn groups. Resembles closely the Pampas Grass; 6 to 8 ft. 83010		TRICHOLOENA atropurpurea (hA). A very pretty species; particularly good in dried bouquet work; 2 to 3 ft. ....83500		5
*EULALIA (hP). Among the most beautiful and ornamental of the tall-growing Grasses; 4 to 6 ft.		Pkt.		
japonica . Long, dark green leaves; fine for groups.		¼ oz. 25c...83030		10

GLADIOLI

ALL EXTRA-SELECTED, LARGE BULBS, NO SECOND SIZE

If to be sent by mail, add postage at zone rates—10, 1 lb.; 100, 8 lbs.

Gladioli are very easily grown. Any good soil suits them. Plant the bulbs as soon as all danger from frost is past, about 3 inches deep and 7 or 8 inches apart. By planting at intervals up to the first of July, these fine flowers can be had in bloom all through the Summer and Fall—the later flowers being the best. About the end of October, when the leaves begin to wither, the bulbs should be taken up, dried in the open air, and then stored in a dry place, free from frost, for planting next Spring. It is a mistake to plant Gladioli without some suitable subject to hide the surrounding soil; to do this we suggest planting lower growing plants such as *Saponaria calabrica*, *Nigella Miss Jekyll*, *Violas* and *Dwarf Godetias*. Those marked with an asterisk (*) are used extensively for forcing.

DWARF GLADIOLI

Early flowering type of most exquisite tints and shades; fine for bedding.

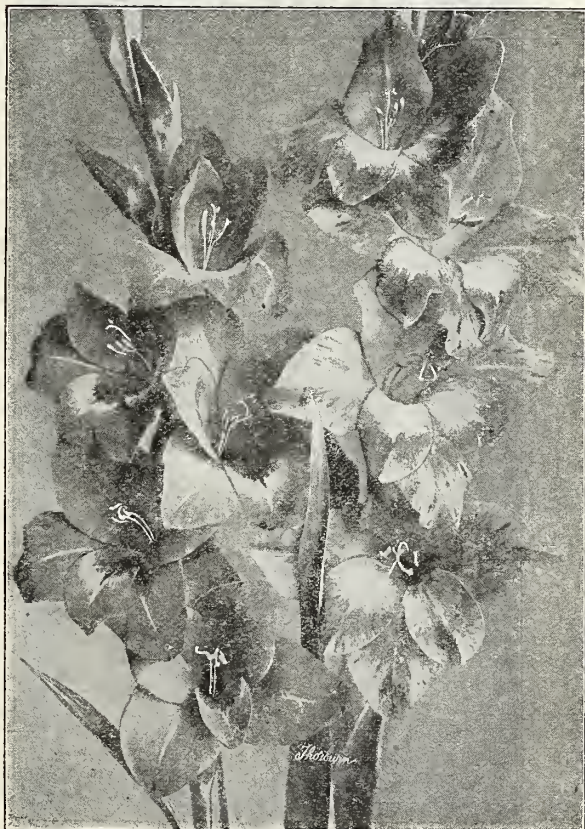
	10	100
* <i>Cardinalis Ackermanni</i> . Salmon-orange with white blotch	\$0 35	\$3 00
" <i>Blushing Bride</i> . Beautiful ivory-white, with crimson flakes	30	2 50
" <i>Crimson Queen</i> . Deep crimson ...	30	2 50
" <i>Peach Blossom</i> . Beautiful rose ..	30	2 50

	40	100
* <i>Cardinalis Queen of Holland</i> . White with carmine blotch	\$0 35	\$3 00
" <i>Mixed</i>	25	2 00
* <i>Colvillei rubra</i>	35	3 00
" <i>alba</i> , "THE BRIDE." White	30	2 50
" <i>rosea</i>	35	3 00
* <i>Ramosus, Ne Plus Ultra</i> . Crimson and white blotch	60	5 00
" <i>in Mixture</i>	35	3 00

THORBURN'S EXTRA-FINE MIXED HYBRIDS

(From our Trial Grounds)

Containing only finest named sorts in a wide range of colors and markings. 65 cts. per 10, \$4.50 per 100.



Thorburn's Extra-Fine Mixed Hybrid Gladioli

PRIMULINUS Hybrids. Hybrids of a South African species, with many related species and choice garden varieties. Extremely vigorous and healthy growers, blooming in July and August. Grow 3 to 5 feet high, with long spikes or richly colored blooms, varying in color from clear yellow to crimson, the latter with large, soft orange or golden throats. 50 cts. per 10, \$4 per 100.

VARIOUS MIXED GLADIOLI

25 at 100 rate, 250 at 1000 rate.

	10	100	1000
Mixed Varieties of Red and Scarlet. A splendid assortment of fine quality; large flowers	\$0 30	\$2 50	\$23 50
Mixed White Grounds, Extra. All extra large blooms	40	3 50	30 00
Mixed Striped and Variegated. Pleasing to the eye in the broadest sense. A charming lot.	40	3 50	30 00
Mixed Pink and Rose. Colors vary from the most delicate pink to gaudy rose. Every one a vigorous grower	35	3 00	28 00

VARIOUS MIXED GLADIOLI—Continued

Mixed Yellow and Orange. No color shows up more charmingly either singly or in contrast with the more vivid shades . . .	10	100	1000
Mixed Gandavensis. Extra fine bulbs from the best varieties. A superb mixture of the various colors, in which no one color plays the predominating part. Very fine quality . . .	\$0 50	\$4 00	\$36 00
Mixed Groff's Hybrid Seedlings. This mixture is the well-known and distinct race resembling the Lemoine Hybrids, but showing greater diversity of colors in flowers . . .	25	2 00	19 00
Mixed Lemoine's. Their remarkably bright, rich colors and odd orchid-like markings account, in a way, for their being popularly known as the Butterfly Gladiola. A most desirable sort . . .	30	2 50	23 50
Mixed Childsii. Grand flowers of large size, and beautifully colored . . .	25	2 00	18 00
Mixed Excelsior. Selected strain of Gandavensis seedlings, mostly light shades . . .	30	2 50	20 00
Mixed Nanceianus. Large, open-spreading flowers. Extra fine mixture . . .	25	2 25	20 00
	25	2 00	18 00

FINE NAMED HYBRID GLADIOLI

Not less than 10 of a kind, 25 at 100 rate except where quoted otherwise

Albion. A beautiful white variety, with a tinge of carmine deep in the center . . .	10	100
*America. A beautiful flesh pink, tinged with lavender. Very vigorous, with large, spreading blossoms on spikes 2 to 3 feet long . . .	\$0 60	\$5 00
Attraction. A deep, rich crimson, with a center that shows prominent above all . . .	40	3 50
*Augusta. Pure white, with a lavender-tinted throat. A splendid sort . . .	40	3 50
Baron Hulot. (Lemoine.) Without a doubt the finest blue Gladiolus. It is a rich, deep color of an indigo shade. . .	40	3 50
*Brenchleyensis. A fine old vermilion scarlet variety . . .	30	2 50
*Ceres. Pure white, spotted with purplish rose . . .	40	3 50
Dawn. Rose pink; large flowers, tall spike . . .	20c. each	1 75 15 00

FINE NAMED HYBRID GLADIOLI—Cont.

Emma Thursby. White, striped and blotched . . .	10	100
Empress of India. Deep, velvety maroon . . .	\$0 75	\$6 00
Eugene Scribe. Very large and wide; tender rose, blazed carmine red. Exceptionally fine for florists' use. 15c. each . . .	60	5 00
Faust. Deep purplish carmine, with white markings on lower petals . . .	1 00	8 00
F. L. Oakley. Bright scarlet-tinted salmon, with pure white center. A very fine show variety . . .	60	5 50
Glory of Brightwood. Scarlet, with lemon throat . . .	60	5 50
Glory of Holland. Very fine white, tinted rose . . .	60	5 00



Augusta

FINE NAMED HYBRID GLADIOLI—Continued

Golden West. Orange red, overlaid with gold; yellow blotch with red spots on lower petals; fine	10	100	Octoroon. A beautiful salmon pink	10	100
Halley. Large flowers of a lovely salmon pink, lower segments blotched yellow, with carmine markings. An excellent variety; early	60	5 50	Panama. Beautiful, deep rose self; large flowers, fine spike	\$1 75	\$15 00
*Isaac Buchanan. Very fine yellow; large flowers. 15c. each	50	4 50	Peace. Large flower, white, with lilac blotch on lower petal	75	7 00
Jessie. (Lemoine.) Fine velvety red; long spike of flowers	1 00	7 50	*Pink Beauty. Bright carmine rose, with darker blotch on lower petals; early; fine cut-flower	75	7 00
Kate. Bluish white, with crimson-blotched throat	40	3 50	Pink Perfection. Soft, rosy pink, with white stripe in center of each petal; very beautiful	50	4 50
Klondyke. Light yellow, maroon blotches in throat	75	6 00	Portland. Rosy red, penciled darker; mottled throat. 15c. each	75	7 00
Lamarck. (Lemoine.) Salmon, with crimson and yellow spots	40	3 50	Princeps. Glowing crimson, with white flakes on lower petals	1 00	8 00
L'Immaculee. Fine, pure white, slightly lilac-tinged center; very fine ..	1 00	8 00	Rosy Spray. White, beautifully sprayed rose; large and fine. 15c. each	50	4 50
Lily Lehman. Very fine, pure white, frilled edge, slightly tinted rose; large flower ...	1 00	8 00	Salem. Fine salmon pink, with maroon blotches	75	6 00
Madame Lemoine. (Lemoine.) White, tinted lemon; large crimson blotch	75	7 00	Schwaben. Light yellow, deep red blotch	75	7 00
*Madame Mouret. Delicate rose; fine large spike	1 00	8 00	Scribe. An enormous spike; flower tinted white, freely striped carmine ..	1 00	7 50
*May. A lovely, pure white, finely flaked rosy crimson..	60	5 50	Spot. White, freely spotted and mottled rose. 15c. each	1 00	8 00
Mrs. Francis King. Light scarlet; very large flowers on a long spike	1 00	8 00	Superb. Enormous flower and spike, one of the very largest; pink, flaked and striped with salmon pink	1 00	8 00
Mrs. Frank Pendleton. (Kunderdi.) Very large, graceful blossoms of lovely, bright pink, with rich carmine blotches on the lower petals; very beautiful ...	60	5 50	Taconic. Bright, lively pink, flecked and striped with shades of the same color ...	1 00	8 00
Nezinscott. Bright blood scarlet, with deep velvety crimson blotches and white mottlings	60	5 50	Victory. Clear primrose yellow; large, open flower ...	75	7 00
Niagara. Soft primrose yellow, slightly tinged with rose pink in throat	75	6 00	War. Blood red, shaded crimson black	75	7 00
			White Excelsior. (Syn., Reine d'Aujon) (Radium); excellent, pure white for cutting; very slightly tinted throat..	50	4 50
			Willy Wigman. Delicate rose-tinted cream, with large carmine red blotch	1 00	7 50
				60	5 00
				60	5 00

DAHLIAS, Double

5 of a kind at 10 rate

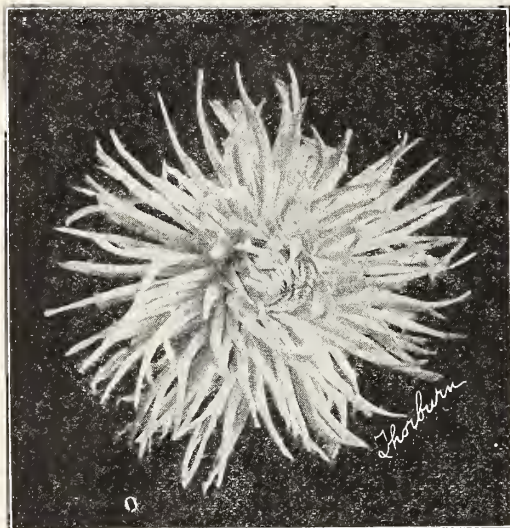
If ordered to be sent by parcel post, add postage at zone rates. Weight per 10 6 lbs. (including packing), for largest-size roots as offered below. Postage on single roots 5 cts. each

CACTUS DAHLIAS

Ambassador. Pure white, medium size and beautiful form	Each	10
T. G. Baker. Bright yellow; very large, finely formed flowers held on long, stiff stems	\$0 20	\$1 80
Blitz. Rich, velvety cardinal, flower of medium size and exquisite form; profuse bloomer	20	1 80
Burbank. Vivid vermilion scarlet, tall but rather late	20	1 80

CACTUS DAHLIAS—Continued

bloomer, fine form with long stems	Each	10
Colonel Oaks. Dark maroon shading to violet	\$0 20	\$1 80
Comrade. Clear salmon pink. 20		1 80
Count Victor von Scheffel. Soft, delicate pink, edged deep pink; beautiful form	20	1 80
Crimson Beauty. Clear, brilliant, glowing crimson, a dainty flower of most exquisite cactus form	20	1 80
General Buller. Rich, velvety maroon, tipped white ...	20	1 80



Cactus Dahlia

CACTUS DAHLIAS—Continued

Juliet. Rosy pink, tinting lighter toward the center; very large, with long incurved petals	Each	10	
	\$0	20	\$1 80
J. B. Briant. Rich yellow; immense size; petals long, narrow and beautifully incurved, one of the best exhibition flowers	20	1	80
J. H. Jackson. Very large, rich, velvety maroon	20	1	80
Kriemhilde. Deep rosy pink with lighter center; flowers keep a long time after cutting	15	1	25
Queen of Hearts. A beautiful pure white, with yellow at the base of petals	25	2	25
Sequoia. Large, golden bronze; fine form on long, stiff stems	20	1	80
Sailor Prince. A very fine rich crimson	15	1	25
Standard Bearer. Bright, clear scarlet, very profuse bloomer	15	1	25

DECORATIVE DAHLIAS

Crimson Giant. Richest glowing crimson	25	2	25
Delice. Bright rose pink; entirely distinct; very beautiful in form	25	2	25
Jacque Rose. The best crimson for garden or cutting ..	15	1	25
Lyndhurst. Brightest vermilion. An early, free and continuous bloomer, with long, straight stems	15	1	25
Minnie McCullough. Soft, golden yellow, tipped bronze red. Especially effective under artificial light. Perfect form, on long, erect stems	20	1	80
Mrs. Charles Turner. Very large, clear canary yellow..	20	1	80

DECORATIVE DAHLIAS—Continued

Orange King. Richest shade of orange; very profuse bloomer	Each	10	
	\$0	15	\$1 25
Professor Mansfield. A giant Decorative of the most unique coloring—a pleasing combination of yellow, red and white	15	1	25
Sylvia. Deep pink, tinting to flesh pink at the center. Long, stiff stems; large and perfect in form. Fine for cutting or garden	15	1	25

SHOW AND FANCY DAHLIAS

A. D. Livoni. Clear, bright pink, quilled petals. The best Show Dahlia	20	1	80
Arabella. Soft primrose, shaded and tipped rose. One of the loveliest	15	1	25
Emily May. Yellow, blotched bronzy red	20	1	80
Queen Victoria. Rich golden yellow	15	1	25
Red Hussar. Dazzling cardinal red; strong, vigorous grower and free bloomer; on long stems. Best red Show Dahlia for cutting	15	1	25
White Swan. Large pure white; reliable	15	1	25



Decorative Dahlia

POMPON DAHLIAS

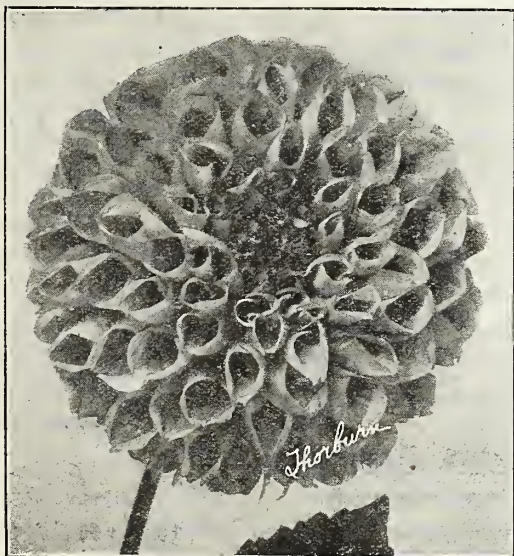
Allie Mourey. Light pink, Each	10	
tipped deep pink	\$0 20	\$1 80
Klein Domitea. Bright, golden		
terra cotta; very profuse ...	20	1 80
Snowclad. The best, pure white		
Pompon	20	1 80
Sunshine. Richest vermillion		
scarlet. Splendid little flower-		
ers on long stems	20	1 80

PAEONY-FLOWERED DAHLIAS

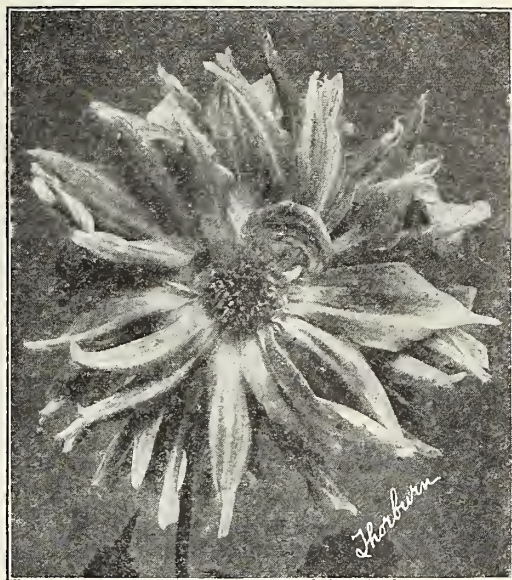
Big Chief. Enormous size; rich		
crimson, margined maroon.		
A very strong, vigorous		
plant, with fern-like foliage:	20	1 80
Canary. Fine canary yellow;		
very large, on long, graceful		
stems; early	30	2 50
Geisha. The most striking color		
combination; golden yellow,		
changing to bright scarlet at		
the center of the petals and		
back to gold at the tips. Gi-		
ant flowers on long, wiry		
stems	50	4 50
Mrs. Carter Lewis. Pale lilac,		
suffused with rose	30	2 50

CENTURY DAHLIAS

Cardinal Century. Very large;		
rich cardinal red. The best		
deep red	20	1 80
Eckford Century. Probably		
the largest single Dahlia.		
Immense flowers of pure		
white, spotted pink and pen-		
cilled crimson; produced on		
long, stiff stems	20	1 80
Fringed 20th Century. The		
first of a new race, with cleft		
or serrated petals. A bright,		
rosy crimson, with lighter		
markings	20	1 80
Rose-Pink Century. The larg-		
est and best deep pink. Enor-		



Show Dahlias



Peony Flowered Dahlia

CENTURY DAHLIAS—Continued

mous flowers on long, 3-ft. Each	10	
stems. A sure and continu-		
ous bloomer; vigorous plant.	\$0 15	\$1 25
Wildfire Century. Century size,		
with the brilliant, rich scar-		
let of the old Wildfire. Ac-		
knowledgeed the best com-		
mercial scarlet	20	1 80

COLLARETTE DAHLIAS

Albert Maumene. Velvety		
crimson-purple, margined		
white; collarette white	30	2 50
Burg Siefurch. Large, dark		
velvety red, tipped violet.		
Light yellow collar	30	2 50
Comte Nodder. Purple, with		
purple and white collar; very		
large	30	2 50
Madame Viger. Richest gar-		
net. Collar petals white,		
faintly suffused carmine ...	30	2 50
Mons. L. Ferard. Rich rosy		
crimson, edged and marked		
white; very large collar of		
same color	30	2 50

SINGLE DAHLIAS

Edith Lemon. Lemon yellow,		
reflex amber; distinct and		
pleasing	20	1 80
Gaillardia. Golden yellow, with		
a broad band of red around		
the yellow center	20	1 80
Praxitelles. Deep velvety ma-		
roon, each petal tipped		
white. The plants are		
dwarf, branching and pro-		
fuse bloomers. The colors		
distinct and striking. This is		
undoubtedly the richest and		
most effective of all fancy		
single Dahlias	45	4 00
St. George. The best clear		
canary yellow single Dahlias.	45	4 00

CANNAS, Dwarf, Large-Flowering French

Not less than 5 of a kind at 10 rate, 25 at 100 rate. If wanted by mail, add 15 cts. per 10 for postage

Cannas do well in almost any kind of soil, but they well repay liberal treatment. For the best results they should be planted in good loam that has been well mixed with an abundant supply of well-rotted stable or other manure. The beds should be spaded 2 feet deep or more, and the soil well pulverized. Water should be applied abundantly at all times, but good drainage is essential.

Cannas are most effective when planted in masses, either alone or in combination with Salvia (Scarlet Sage) and bordered with Coleus or other dwarf-growing bedding plants. They are also frequently used with some of the tall-growing ornamental grasses, with which striking combinations can often be secured. They do best in sunny situations, and should be set out about 2 feet apart each way.

ALL OF THE FOLLOWING ARE DORMANT ROOTS

GREEN-FOLIAGED CANNAS

PINK-FLOWERING

	Each	10	100
Annie Laurie. 3 ft. Clear, silvery pink, with cream throat	\$0 10	\$0 60	\$5 00
Hungaria. 3½ ft. Pure "La France" pink with satiny sheen; large flowers	10	90	8 00
Louise. 5 ft. Soft rose pink, delicately dappled with red	10	60	5 00
Martha Washington. 3 ft. Bright rose pink. A splendid sort for massing	10	60	5 00
Mlle. Berat. 4 ft. Deep rose pink	10	60	5 00
Venus. 4 ft. This is one of the prettiest Cannas in existence. The flowers are a gay rosy pink, with a well defined border of creamy yellow; blooms all the time	10	60	5 00

RED-FLOWERING

Alphonse Bouvier. 5 ft. Clear crimson flowers borne in large clusters.	10	60	5 00
Black Prince. 5 ft. Deep velvety maroon, mahogany-colored stems ..	10	60	5 00
Bonté de Poitevin. 4 ft. Crimson flowers	10	60	5 00
Crimson Bedder. 3½ ft. Without exception the most conspicuous and satisfactory red bedding Canna on the market	10	60	5 00
Duke of Marlboro. 4 ft. Dark rich, velvety crimson; fine shapely flowers	10	60	5 00
Express. 2½ ft. Bright scarlet crimson, the best dwarf red	10	70	6 00
Jean Tissot. 5 ft. Brilliant vermilion, bright orange shadings	10	60	5 00
Louisiana. A bright crimson scarlet of the orchid-flowered type; grows 5 to 6 feet high, with immense spikes of bloom. Individual flower 5 inches across with correspondingly broad petals. Very showy in beds or as a center for more dwarf varieties	10	60	5 00
Mrs. Karl Kelsey. 7 ft. Orchid flowered variety; orange-scarlet, flaked and striped golden yellow	10	60	5 00
Paul Marquant. 3½ ft. Salmon-red flowers in large clusters	10	60	5 00
Pennsylvania. 5 to 6 ft. Large, orchid-flowering scarlet, overlaid with orange	10	60	5 00
Tarrytown. 3½ ft. Grand crimson variety	10	60	5 00

YELLOW-FLOWERING

Austria. 4 ft. Bright yellow, with crimson in the throat; orchid flowered	10	60	5 00
Buttercup. 3 ft. The best dwarf yellow. Flowers pure buttercup yellow	10	80	7 00
Florence Vaughan. 4 ft. Yellow, with bright red spots	10	60	5 00
Indiana. 5 ft. Orchid-flowered sorts, with rich, golden orange flowers, often 7 inches across	10	60	5 00
Richard Wallace. 4 ft. Flowers large; color pure yellow. Fine for bedding	10	60	5 00

VARIEGATED-FLOWERING

Allemanina. 5 ft. Orchid flowering, bright scarlet, with broad, yellow border, beautifully mottled and variegated	10	60	5 00
Gladioflora. 3½ ft. Gladiolus-like, crimson flower edged with gold. .	10	60	5 00
Italia. 5 ft. Orchid-flowering type; brilliant red, bordered yellow...	10	60	5 00
Mad. Crozy. 3½ ft. Vermilion, with gold border; very pretty	10	60	5 00
Niagara. 3 ft. Deep crimson, with wide irregular border of golden yellow	10	60	5 00

BRONZE-FOLIAGED CANNAS

RED- AND YELLOW-FLOWERING

Brandywine. 3½ ft. Flowers red. Splendid for mass planting	10	60	5 00
David Harum. 3 ft. Large-sized flowers. Bright vermilion scarlet, dotted with crimson spots	10	70	6 00

CANNAS, BRONZE FOLIAGED—Continued

	Each	10	100
Egandale. 4 ft. Flowers currant-red; early and constant bloomer....	\$0 10	\$0 60	\$5 00
Evolution. 4 ft. Rich pink, with a golden tint	10	80	7 00
Grand Rogue. 6 to 8 ft. Handsome, crinkly leaves of darkened bronze; flowers red	10	60	5 00
King Humbert. 4 ft. Bears immense, brilliant orange-scarlet flowers streaked with crimson, in gigantic trusses. A massive, sturdy grower, of stately habit	10	90	8 00
Mount Etna. 3 ft. Leaves of rich bronze; large, crimson flowers.....	10	60	5 00
Shenandoah. 4 ft. Flowers beautiful, rosy pink, borne in large clusters. The foliage is very beautiful, being veined and tinted, having a tropical appearance	10	60	5 00
Wm. Saunders. 3 ft. Deep, rich scarlet; foliage deep bronze.....	10	90	8 00
Wyoming. 7 ft. Immense umbels of massive orange flowers; bronze-purple foliage. A splendid bedder	10	60	5 00

PAEONIES

If to be sent by mail, add postage at zone rates

Double Peonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them in Europe and in America has resulted in the production of many notably fine new varieties. Among hardy, herbaceous perennials, the Chinese Peonies rank about first for lawn or flower-border, or shrubbery decoration. Our assortment includes some of the best and most distinct sorts, new and old. There are many kinds, including varieties showing but trifling variations, which we omit.

HERBACEOUS CHINESE PAEONIES

Mailing rate 1 lb. each

Alba plena. Pure white; fra-	Each	10
grant	\$0 35	\$3 00
Beaute Francaise. Rose and	50	4 50
carmine		
Boule de Neige. Sulphury	50	4 50
white; center petals with rosy		
borders		
Charlemagne. Creamy white,	50	4 50
center lilac and chamois		
Delachei. Amaranth purple red;	60	5 00
fragrant		
Duchesse de Nemours (Calot).	55	4 50
Sulphury white		
Edulis superba. Bright rosy	50	4 50
pink		
Eugene Verdier. Pink and sal-	1 00	8 00
mon		
Felix Crousse. Brilliant red...	1 00	8 00
Festiva maxima. White	60	5 00
Hamei carnea. Rose, passing	50	4 50
to white		
Jeanne d'Arc. Rose, sulphur	50	4 50
and rosy white center		
Jules Calot. Pink, center rose.	50	4 50
Louis Van Houtte. Cherry color,	55	4 50
with purplish reflection		
Madame de Verneville. Silvery	60	5 00
white; extra fine		
Marie Lemoine. Pure white,	90	7 50
large, splendid flower		
Mons. Jules Elie. Satiny pink,	1 25	11 00
very early		
Monsieur Krelage. Wine color.	60	5 50
Double, Mixed, White	25	2 00
" " Crimson	25	2 00
" " Rose	25	2 00
" " Pink	25	2 00
" " Carmine	25	2 00



Peony Chinensis

PAEONIES—Continued

Japanese Tree Paeonies
(*Paeonia arborea*)

Mailing rate 2 lbs. each

These are very beautiful and free flowering, and bloom two or three weeks earlier than the herbaceous sorts. We are importing an assortment of eight fine named varieties. State color wanted and we will make fine selection. Each \$1.50.

Paeonia officinalis

Mailing rate 2 lbs. each

<i>Anemonæflora</i> . Large; crimson; Each	10		
single Anemone-flower shape.	\$0 60	\$5 00	
<i>Atro-rubra plena</i> . Dark red ..	35	3 00	
<i>Mutabilis plena</i> . Tender rose; passing to white; double ...	45	4 00	
<i>Rosea plena</i> . Pink	50	4 50	
<i>Tenuifolia</i> . Single-flowering. Rich crimson; narrow leaved, feathery foliage	40	3 50	
Single-flowering. Mixed	50	4 50	

LILIES

If to be sent by mail, add postage at zone rates

Lilies are easily grown and require little care. They do best in a light, well drained soil. Some peat or leafmold may be used to advantage. They also prefer partial shade, and the taller sorts must have protection from high winds. *L. auratum* cannot bear manure, but thrives in ordinary light soil.

LILIUM HARRISII
(Bermuda Easter Lily)

The large, handsome, pure white, trumpet-shaped flowers are very sweet-scented and of great substance, lasting a long time after cutting. They are easily grown and can be forced into flower in a remarkably short time. They require rich soil but without manure.

	Each	10	100
10 to 11 in. circum...	\$0 60	\$5 00	\$40 00

LILIUM LONGIFLORUM
(White Trumpet Lily)

This is among the most beautiful and valuable of garden Lilies. It grows from 1 to 4 feet high, and bears many trumpet-shaped, sweetly scented, waxy white flowers. A well-drained, light loam enriched with leafmold suits it best.

7 to 9 in. circum.,	Each	10	100
mailing rate, 3 lbs.			
10	\$0 20	\$1 50	\$13 00
Formosum. Very large, white flowers. Grows 2½ to 4 ft. high.			
9 to 10 in. circum.,			
5 lbs. 10	30	2 50	20 00
Multiflorum.			
7 to 9 in. circum., 3 lbs. 10	20	1 50	11 00
9 to 10 in. circum., 4 lbs. 10	20	1 75	15 00
Multiflorum giganteum.			
7 to 9 in. circum., 3 lbs. 10	20	1 50	11 00
8 to 10 in. circum., 4 lbs. 10	20	1 75	14 00

BEAUTIFUL JAPAN LILIES

We import our supply direct from Japan every year. Every garden should have some of them.

Auratum (Gold-banded Lily). The grandest of all hardy Lilies; 3 to 6 feet high; flow-

AURATUM—Continued

ers white, spotted maroon, having a bright yellow band through the center of each petal.

8 to 9 in. circum. Each	10	100
mailing rate 3 lbs.		
10	\$0 20	\$1 25 \$11 00
9 to 11 in. circum., 5 lbs. 10	25	2 00 17 50
11 to 13 in. circum. Mailing rate 8 lbs.		
10	35	3 00 24 00

Auratum pictum. Flowers beautifully spotted crimson

50 4 00

Auratum rubro-vittatum. Enormous flowers, white, beautifully spotted, with a deep crimson stripe through each petal; very fragrant. 4 lbs. 10

75 8 00

Auratum platyphyllum (Improved *Auratum*). Flowers are similar in color to the *Auratum*, with much broader petals, spots more heavily marked and very beautiful..

50 4 00

Speciosum album Krætzerei. Pure white, large flowers; 2 to 4 ft. high

7 to 9 in. circum., 4 lbs. 10	20	1 50
9 to 11 in. circum., 5 lbs. 10	30	2 50

Speciosum rubrum magnificum. White, shaded rose, and spotted red.

7 to 9 in. circum., 4 lbs. 10	20	1 25
9 to 11 in. circum., 5 lbs. 10	35	3 00

BEAUTIFUL JAPAN LILIES—Continued

Batemani. Unspotted, bright	Each	10		
apricot flowers; beautiful				
variety. 3 to 4 feet high.				
1 lb. 10	\$0 25	\$2 00		
Elegans Incomparable. Deep				
red, spotted black	25	2 00		
Krameri. White, slightly tinged				
red	25	2 00		
Leichtlinii. Canary yellow,				
with crimson spots. 2				
to 3 feet high	40	3 50		
" Red	25	2 00		

VARIOUS LILIES

Bolanderi. Bell shaped, deep				
crimson flowers, dotted with				
purple. Grows 1 to 3 feet				
high. Rare. 1 lb. 10	60	5 50		
Brownii. Flowers of immense				
size; inside creamy white, out-				
side shaded chocolate purple.				
2 lbs. 10	35	3 00		
Canadense (Meadow Lily).				
Drooping, yellow flowers,				
spotted red; 1½ to 3 ft.	15	1 25		
Canadense rubrum. Red flow-				
ers	15	1 25		
Columbianum (Oregon Lily).				
Orange flowers, dotted ma-				
roon; fragrant. 1 lb. 10	45	4 00		
Croceum. Orange, with purple				
spots; upright flowers. 2 lbs.				
10	25	2 00		
Henryi (Orange Yellow Specio-				
sum). Very tall-growing vari-				
ety; deep orange-yellow				
flowers. 3 lbs. 10	60	5 00		
Kelloggii. Slender stems with				
from 3 to 15 flowers with pink				
revolute petals; fragrant; 3				
to 4 feet. 8 oz. 10	75	6 00		
Magnificum (Humboldtii). Bright				
orange red, with dark spots. 1				
lb. 10	75	6 00		
Martagon. Purple; 2 to 3 feet.				
8 oz. 10	35	3 00		
Parryi. Large, handsome, pale				
yellow flowers; very rare. 8				
oz. 10	75	7 00		
Pardalinum. Large, showy flow-				
ers; richly colored and				
spotted. 1 lb. 10	25	2 00		
Parviflorum. Small flowers;				
bright orange, spotted with				
purplish dots	35	3 00		
Philadelphicum. Bright orange				
red, with black spots; 2 feet				
high. 8 oz. 10	20	1 50		
Superbum (Turk's Cap Lily).				
Orange red, spotted; 4 ft....	20	1 50		
Tenuifolium (Siberian Coral				
Lily). Rich scarlet; 1½ feet.				
8 oz. 10	20	1 50		
Thompsonianum. Rose	40	3 50		
Thunbergianum biligulatum ...	20	1 50		
" Kikak. Apricot				
yellow, spot-				
ted black ...	20	1 50		
" Prince of Or-				
ange. Or-				
ange yel-				
low; 1 ft. ...	25	2 00		
" Van Houttei ..	50	4 50		

VARIOUS LILIES—Continued

Tigrinum splendens (Tiger	Each	10		
Lily). Rich scarlet, black				
spots. 2 lbs. 10. Per 100, \$8.	\$0 15	\$1 00		
Tigrinum fl. pl. (Double Tiger				
Lily). Orange red, black				
spots. 2 lbs. 10. Per 100, \$9.	15	1 00		
Umbellatum erectum. Red and				
orange. 4 lbs. 10	20	1 50		
" grandiflorum. Or-				
ange. 3 lbs. 10.	20	1 50		
" Mixed. 3 lbs. 10 ..	15	1 00		
Wallacei. Orange red, maroon				
spots; late. 8 oz. 10.....	35	3 50		
Washingtonianum. Stately hab-				
it; large trumpet-shaped				
flowers, pure white, tinged				
purple; fragrant; 4 to 7 ft. 2				
lbs. 10	60	5 00		

LILY-OF-THE-VALLEY

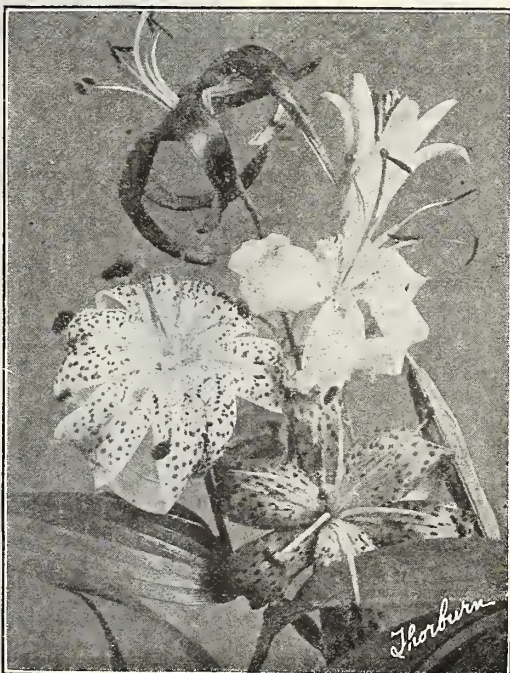
If ordered sent by mail, add postage at zone rates.

Clumps. Fine, large clumps, with many flowering pips on each. Fine for planting outside in shaded positions and for naturalizing by the side of streams or wooded walks. 3 lbs. each, 40 cts. each, \$3.50 per 10, \$30.00 per 100.

Pips for Forcing. \$1.00 per bundle of 25, \$3.50 per 100, \$30.00 per 1,000. 2 lbs. each bundle of 25.

CHINESE SACRED LILIES

A variety of the Polyanthus Narcissus, imported from China. Place 3 to 6 in a bowl of water partly filled with pebbles; the water should be tepid and changed every two days, stand in a sunny window in a cool room. 30 cts. each, \$2.50 per 10, \$20.00 per 100.



Lilium Speciosum, Superbum and Tigrinum

JAPAN IRIS (Iris Kaempferi)

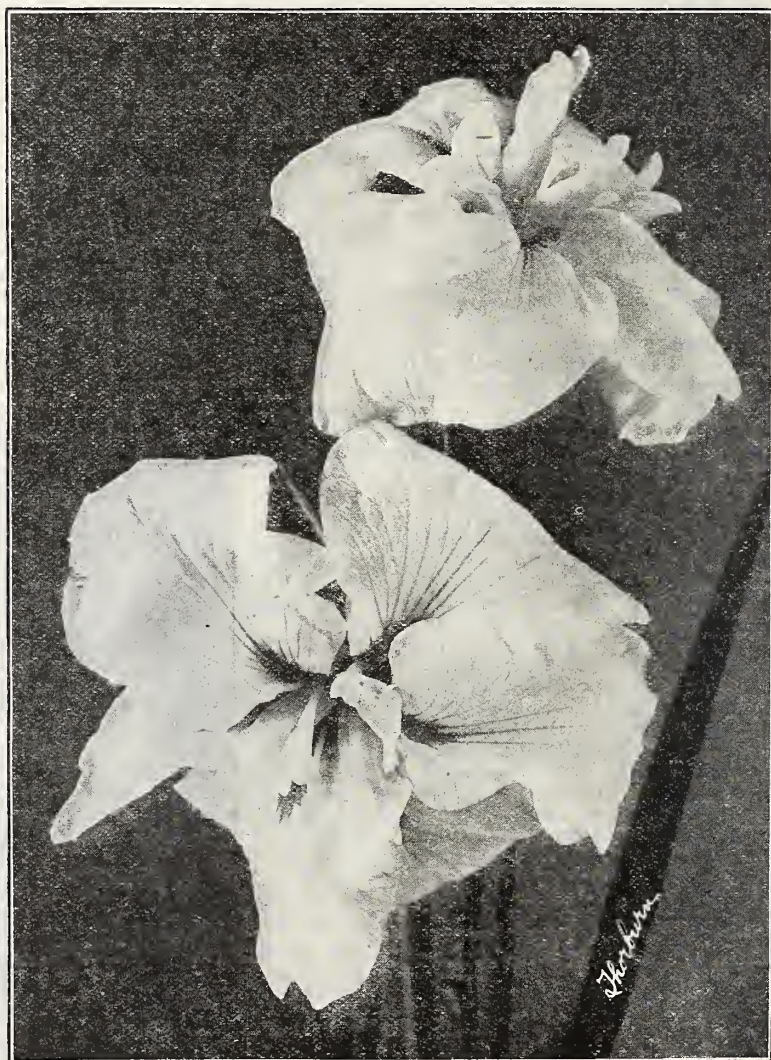
If ordered sent by mail, add postage at zone rates

We are importing from Japan a large supply of the following twenty of the best of these magnificent Irises, which are remarkable for the beauty of their colorings and stateliness of habit. Some of them send up ten to twelve spikes, 3 feet high, each bearing two to four enormous blossoms, 8 to 10 inches across. They are most valuable for cut-flowers and table decoration—as handsome as Orchids. Supply water liberally when growing. Cut in the early morning or after sunset. The descriptions given are those furnished us by the growers in Japan.

SUPERB COLLECTION OF LARGE-FLOWERED SORTS

60 cts. each, \$5 per 10, \$40 per 100. The following may be ordered by number; mailing rate 1 lb. each

- | | |
|---|--|
| <p>13 Boteki-no-Koe. Pure white, heavily veined lavender, with pale primrose blotches; standard wine color. Three large petals. Striking.</p> <p>26 Date-dogu. Claret red, yellow blotches. Three petals.</p> <p>89 Fuyoho. Large; pure white, yellow blotches.</p> <p>31 Gei-Sho-Ui. Claret red, veined white; standards shaded lavender, darker edges, yellow blotches.</p> <p>4 Ho-o-jo (Ho-o-castle). Ruby crimson, primrose blotches; standards white and lavender.</p> <p>37 Katsura otoko. White, veined lavender; standards white, suffused with lavender, darker edges. Six petals.</p> <p>15 Momiji - no - Taki. Ruby red, yellow blotches; standards white, spotted toward edges pale wine color. Six petals.</p> <p>30 Noboro-Ryu. Intense Tyrian blue, with yellow blotches; standards white, edged violet.</p> <p>9 Ran. Royal purple, edged lavender, with large primrose blotches; standards wine-red, white at base. Six large petals.</p> <p>34 Sassa - no - Koe. White, veined wine red and blotched yellow; standards lavender. Three petals.</p> <p>20 Senjo - To. Light wine color, spotted and shaded to dark red, suffused with white, yellow blotches.</p> <p>40 Shiguremoniji. Blush pink, darker toward edges, splashed wine red; primrose blotches. Three petals.</p> | <p>21 Shikainami. Light blue, to dark blue edges, white veined, yellow blotches. Very handsome. Six petals.</p> <p>6 Shippo (Cloisonné). Rich Tyrian blue, edged purple and veined white; yellow blotches.</p> <p>14 Shiraga. Deep purple, heavily veined white; standards lavender; yellow blotches. Six large petals.</p> |
|---|--|



Japan Iris

JAPAN IRIS—Continued

- 17 Suibijin.** Claret red, darker toward edges; standards white veined, and stigmas wine color. Three petals.
- 44 Ujigawa.** Rich, vinous purple; standards blush pink; stigmas lavender, canary-yellow blotches. Three immense petals.
- 50 Ushio-no-iro.** Violet, veined white; standards white, edged sky blue, yellow blotches. Seven or eight petals.
- 7 Yamato-Nishiki.** Pale lavender, blotched and flaked dark purple, large primrose blotches. Three petals.

- 8 Yodokuruma.** Pale wine color, veined darker; large orange blotches; standards very erect. Three petals.

GERMAN IRIS (Iris Germanica)

Will thrive in almost any good garden soil, except one that is wet.

Fine Mixed. 75 cts. per 10, \$7 per 100. Mailing rate, 6 oz. 10, 3 lbs. 100.

VARIOUS IRIS

See our Bulb Catalogue for varieties

AMARYLLIS

If to be sent by mail, add postage at zone rates

The Amaryllis produces, under the simplest conditions, one to three spikes 2 or more feet high, crowned with from two to six large and beautiful, trumpet-shaped blooms lasting long in good condition. They should be planted as soon as received, in pots an inch or so larger than the diameter of the bulb.

The most suitable soil is good loam, with one-fourth part of leafmold or pulverized manure, and some sand. Good drainage is very important. The growing season is from early Spring until September. Manure-water during this time is essential.

Belladonna major. Violet and white; in large umbels; fragrant.	10		
4 lbs. 10	\$0 25	\$2 25	
" speciosa purpurea.	75	7 00	
Empress of India Seedlings. Brilliant scarlet with white			

stripes; large flowers.	4 lbs. Each	10	
10		\$0 80	\$7 50
Johnsoni (Spice Lily). Large flowers; crimson, striped white. Large bulbs.	6 lbs.		
10		60	5 50
Lily of the Palace		80	7 50
Vittata Hybrids		60	5 00

ANEMONE, or WINDFLOWER

Very ornamental, hardy perennials, producing beautifully colored flowers in Spring and Summer. They do best in rich soil and in a sheltered and well drained position.

Mailing rate 6 oz. 10, 3 lbs. 100

Less quantities than quoted, 10 cts. each

Except where quoted otherwise

Coronaria or Poppy-Flowered Anemone

Caen, Mixed (Giant French or Poppy-flowered Anemone). Finest colors	10	100	
15c. each	1 00	8 00	
Blue, Double, Mixed	40	3 00	
" Single, Mixed	25	2 00	
His Excellency. A beautiful, large-flowering Poppy Anemone; a deep scarlet shade, thick, strong petals and long stems	75	7 00	

King of the Blues. Double	10	35	\$3 00
King of the Scarlets. Double		35	3 00
Scarlet, Feu Superbe. Bright scarlet; double		35	3 00
Scarlet, Double, Mixed		35	3 00
" Single, Mixed		25	2 00
St. Brigid. Semi-double; gracefully incurved flowers		40	3 50
White, Ceres. Double; tinted rose		30	2 50
" The Bride. Single; pure white		20	1 50
Double. Mixed colors		30	2 50
Single. Mixed colors		20	1 50

Anemone Species

Apennina, Blue. Early. Charming, clear blue, star-shaped flowers; fine for naturalizing	10	100	
" White	30	2 50	
Fulgens. Single, scarlet flowers very early in Spring	60	5 00	
Japonica alba. Large, pure white; invaluable for cutting	50	4 00	

Japonica Queen Charlotte. Semi-double; pink	10	75	100
" rosea. Large; rosy carmine		40	3 50
" rubra. Rosy crimson		50	4 00
" Whirlwind. Large, semi-double, pure white. Splendid for cut-flowers		60	5 00
Sylvestris (Snowdrop Windflower). Beautiful, pure white	1	25	10 00

BEGONIAS Tuberous-Rooted

Five of a kind at 10 rate, 25 of a kind at 100

Mailing rate 1 lb. 10, 7 lbs. 100

Splendid pot plants for the house or for bedding. For bedding they should be started in hotbed in March and April. The hollow end of the bulb should be uppermost and but slightly covered. Water sparingly until the plants are growing.

	10	100		
Single Scarlet	\$0 75	\$7 00	BEGONIA CRISPA (Single Fringed Begonias).	These comparatively new Begonias have beautifully shaped, gracefully frilled and crested flowers, borne above the foliage on long and erect stems. An exceedingly fine strain. RED, ROSE, WHITE, YELLOW, SALMON and ORANGE.
" Rose	75	7 00		\$1.25 per 10, \$10 per 100.
" White	75	7 00		
" Yellow	75	7 00		
Double, White	1 00	8 00		
" Yellow	1 00	8 00		
" Rose	1 00	8 00		
" Crimson	1 00	8 00		

CRINUMS

The most suitable soil is a compost of turfy loam, cow manure and sand. They should be grown in large pots or tubs, about three-fourths of the bulbs being out of the soil. In late Fall remove to a cool house and allow to rest till new leaves begin to appear in February. If placed outside when warm weather begins, they will flower through the Summer, making splendid lawn or veranda plants.

	Each			Each
Kirki. Large umbels of beautiful, pure white flowers, with purple stripe in center of each petal; very fine. Mailing rate 1 lb.	\$0 25		at the top five to eight large dark rose, bell-shaped flowers, 3 to 4 inches long, of great beauty in form and color. 2 lb. rate	\$0 25
Powell. Produces long stems, bearing			Powell album. Pure white; very beautiful sort	50

GLOXINIAS

Mailing rate 1 lb. 10, 7 lbs. 100

Beautiful greenhouse plants, remarkable for the intensity and variety of their colorings, and the exquisite manner in which they are often blotched, mottled, penciled and blended. They thrive best in a soil composed of leaf-mold and peat, in equal parts, with a little sand added. When growing give plenty of water, but it should always be tepid.

	Each	10	100		Each	10	100
Crassifolia erecta, Red.	\$0 15	\$1 00	\$7 00	Crassifolia erecta, White.	\$0 15	\$1 00	\$7 00
" " Spotted	15	1 00	7 00	" " Blue ..	15	1 00	7 00

MONTBRETIAS

Treat same as Gladioli

Mailing rate 6 oz. 10, 2 lbs. 100

Summer-flowering, bulbous plants that are becoming more popular every year. They should be planted in groups. Ordinary garden soil and a sunny position suit them.

	10	100		
Crocsmæflora (type). Fine scarlet and yellow	\$0 25	\$1 50	Crocsmæflora Tigridie. Orange-yellow throat, maculated brown	\$0 25 \$2 00
" Bouquet Parfait. Large, bright vermilion flowers, with deep yellow centers.	25	2 00	" Mixed. All sorts..	25 1 50
" Etoile de Feu. Bright vermilion, with deep yellow center; large flowers...	50	4 00		
" Germania. Large, orange scarlet; very beautiful.	50	4 00		
" Golden Sheaf. Bright yellow .	25	2 00		
" Meteor. Yellow inside, deep red outside	25	2 00		
" speciosa. Copper, with yellow disc in the center	25	2 00		

HARDY PHLOX (Decussata)

Mailing rate 4 lbs. 10

A flower of more than usual beauty that will succeed in almost any kind of soil or climate. May be planted in the Spring or Fall.

	Each	10
Aquillon, Carmine	\$0 25	\$2 00
Boule de Feu. Dark carmine; extra fine	25	2 00
Falcon De Neige. Pure white..	25	2 00
Jeanne d'Arc. Pure white	25	2 00
Pantheon. A delightful salmon rose, with a pale border running around the eye	25	2 00
Pecheur d'Island. Fiery red, with white center	25	2 00
Each sort, \$18 per 100		

MISCELLANEOUS BULBS AND ROOTS

If ordered sent by mail, add postage at zone rates according to weight indicated

ACHIMENES , Mixed. Lovely	10	100		
greenhouse pot-plants	\$0 50	\$4 00		
ALSTROEMERIA aurea (aurantiaca). Orange yellow, spotted black. 2 lbs. 10	40	3 00		
brasiliensis . Deep red, with black spots. 2 lbs. 10	60	5 00		
ANOMATHECA cruenta . Crimson flowers; dwarf habit; fine for Window garden. 2 lbs. 100	20	1 25		
ANTHERICUM liliago . 1 lb. 10	80			
liliastrum major	75			
Antholyza , Mixed. Like Gladioli. Take up in Fall	60			
APIOS tuberosa . Hardy climber, with clusters of fragrant purple flowers. 1 lb. 10	40			
ARUM cornutum (Red Calla). 5 lbs. 10	\$0 20	1 50		
crinitum . 3 lbs. 10	30	2 50		
italicum (Dragon Flower). Creamy white. 1 lb. 10	15	1 25		
maculatum . 1 lb. 10	15	1 00		
palestinum sanctum (Black Calla). 2 lbs. 10	25	2 00		
CALADIUM esculentum . Average mailing rate 2 lbs.				
9 to 11 in. circum.	20	1 50	10 00	
11 to 12 in. circum.	25	1 75	15 00	
12 in. circum. and upwards	25	3 00	25 00	
CALLA Æthiopica (White Calla, or Lily-of-the-Nile). Large, white, trumpet-shaped flowers.				
1½ to 2 in. Mailing rate 4 lbs. 10	25	2 00		
2 to 2½ in. Mailing rate 3 lbs. 10	35	3 00		
Elliottiana , Yellow; Spotted Leaf. Dark green leaves, spotted silvery white. 2 lbs. 10	25	2 00		
CAMASSIA Cusickii . Very large leaves and lovely, pale sky-blue flowers, produced in racemes 2 to 3 feet long	15	1 00		
esculenta . Pretty violet-blue flowers. Fine for cutting. 3 lbs. 100	20	1 00		
CINNAMON VINE . First-size roots	15	1 25	12 00	
CLEMATIS coccinea . Hardy, flowers rich scarlet. 1 lb. 10	15	1 25		
CROCOSMIA aurea (Tritonia). Beautiful; half-hardy; orange flowers. 1 lb. 10	15	1 00		
CYCAS revoluta Stems (Sago Palm). In various sizes. 25 cts. per lb.				100
CYCLAMEN, Comm. Crimson, round leaved	\$0 60	\$5 00		
Europæum roseum . Very showy, rosy red, hardy	20	1 75		
Persicum giganteum . Rose	25	2 00		
Persicum giganteum . Rubra	25	2 00		
Persicum giganteum . White, "Mont Blanc"	30	2 50		
Persicum giganteum . Mixed	20	1 75		
Hederæfolium Album (Neapolitanum). Ivy-leaved Cyclamen; quite hardy in sheltered situations	30	2 50		
Repandum . Rosy red, purple eye	30	2 50		
DICENTRA spectabilis (Bleeding Heart). Hardy perennial; also forcer. 1 lb. each, 8 lbs. 10	25	2 00	\$15 00	
ERANTHIS hyemalis (Winter Aconite). Flowers yellow, hardy, perennial. 1 lb. 100			30 2 00	
EREMURUS himalaicus . White	1 00			
robustus . Rose. 1 lb. each	1 25			
EUCHARIS amazonica . Fine, white-flowered greenhouse plant. Magnificent. 2 lbs. 10	50	4 50		
FRITILLARIA Meleagris alba (Guinea fowl flower). White			35 2 50	
Meleagris . Mixed colors			35 2 50	
FUNKIA alba marginata . Green foliage, margined white. 1 lb. each	15	1 25		
GERANIUM sanguineum . Hardy perennial. Crimson-purple flowers. 1 lb. 10	20	1 50		
HÆMANTHUS albilfolia . White	75			
coccineus . Scarlet	1 50			
punicus . Orange red	1 50			
HELLEBORUS Niger (Christmas Rose). Pure white	75			
HEMEROCALLIS , Apricot. Distinct, rich apricot. 5 lbs. 10	15	1 00		

MISCELLANEOUS BULBS AND ROOTS—Continued

	Each	10	100
HEMEROCALLIS , <i>flava</i> Clear yellow .....\$0 10 \$0 75			
<i>fulva</i> . Coppery orange 15 1 25			
<i>Kwanso</i> fl. pl. Coppery orange; double 25 2 00			
<i>Sieboldi</i> . Handsome reddish orange ... 10 75			
HYACINTHUS <i>candicans</i> . 5 lbs. doz... 35 \$3 00			
INCARVILLEA <i>Dela- vayi</i> . Large; rosy purple; splendid, hardy perennial, with handsome foliage. 6 lbs. 10 .. 15 1 00			
MADEIRA VINE . Roots 15 1 25 8 00			
NERINE <i>Sarniensis</i> (True Guernsey Lily). Flowers brilliant crimson, in large clusters... 25 2 00			
ORNITHOGALUM <i>arabicum</i> . White, with black center 40 3 00			
<i>pyramidale</i> . Showy spikes of white flowers 15 1 00			
<i>umbellatum</i> (Star of Bethlehem). Outside green and white, inside satiny white 25 1 50			
OXALIS <i>Bowlei</i> . Crimson 35 2 50			
<i>Grand Duchesse</i> <i>Grandiflora</i> . Pink. 10 35 3 00			
<i>Lasiandra</i> . Violet purple, large flower 20 1 50			
<i>Multiflora alba</i> 30 2 50			
<i>Rubella</i> . Purple ... 25 2 00			
<i>Mixed</i> 20 1 00			
PANCRATIUM <i>calathinum</i> (Basket Flower). 2 lbs. 10 15 1 00			
<i>maritimum</i> (Sea Daffodil). Delightfully fragrant, white. 25 2 00			
RANUNCULUS . Soak in water two days before planting.			
<i>Persian Mixed</i> 25 2 00			
<i>Turban Mixed</i> 25 2 00			
SPIRÆA <i>America</i> . Rosy lilac 20 1 50			
<i>Astilbe</i> <i>Arendsi</i> , <i>Ceres</i> . Bright, rosy lilac. 2 lbs. each... 20 1 50			
<i>Astilbe</i> <i>Naarden</i> . Large, pink flowers. Early bloomer; fine forcer 30 2 50			
<i>astilboides floribunda</i> . Very large, pure white plumes. Neat habit; abundant bloomer 20 1 50			
<i>Mont Blanc</i> . Large plumes of purest white 20 1 50			

SPIRÆA—Continued

	Each	10	100
W. E. Gladstone . Snow - white plumes, long stems, fragrant. Fine forcer .....\$0 25 \$2 00			
Queen Alexandra . Pink. A pink variety, in habit similar to Gladstone, but flowering three weeks later. Beautiful 20 1 50			
Rubens . Lovely deep carmine; good forcer 35 3 00			
Washington . Extra large flowers; fine forcer ... 20 1 50			
<i>japonica</i> . Pure white flowers 20 1 50			
<i>japonica compacta multiflora</i> . Neat and compact. Pure white flowers 20 1 50			
TRICYRTIS <i>hirta</i> . Beautiful; Fall flowering; hardy. 3 lbs. 100 15 1 25			
TRILLIUM <i>Erectum</i> . Dark purple; erect habit 10 75 \$6 00			
<i>grandiflora</i> (Giant American Wood Lily, or "Wake Robin.") Large, white flowers and easily grown in shaded position .. 10 75 6 00			
<i>sessile californicum</i> . A strong plant 1 foot high, with the separate leaves 5½ inches long by 4½ inches wide and the petals 3½ inches long. Flowers pure white, with purple center; very fragrant 10 75 6 00			
<i>sessile rubra</i> . Same as californica, with narrow petals; deep maroon purple to reddish purple. 10 75 6 00			
<i>sessile, Snow Queen</i> . Flowers pure white, with creamy centers and with broad petals 10 75 6 00			
TRITOMA <i>Pfitzeri</i> . Large spikes of flame-colored flowers. 2 lbs. 10 ... 30 2 50			
<i>MacOwani</i> . Dwarf variety, bright orange red 15 1 25			
<i>u varia grandiflora</i> (Red - Hot - Poker Plant). Half-hardy 15 1 25			
Tritonia <i>Crocata</i> . Summer flowering. To be handled like Gladioli 50 4 00			

MISCELLANEOUS BULBS AND ROOTS—Continued

TROLLIUS	europæus.	Each	10	100
Yellow.	5 lbs.	10.50	25	\$2 00
Caucasicus.	Large,			
	globular, golden			
	yellow flowers.	5		
	lbs.	10	30	2 50
TROPÆOLUM	tricolor			
	(Jarrattii).	Fine		
	greenhouse			
	climber; for pots.	25	2	00
	speciosum.	Brilliant		
	scarlet	20	1	50
TUBEROSES,	Dwarf			
	Double Pearl. Mail-			
	ing rate 2 lbs.	10.	30	\$2 50
	Albino.	Pure white;		
	single	50	4	50
	Variegated Leaf	50	4	50

TYDÆA, Mixed.	Very	Each	10	100
showy, golden scar-				
let and spotted	...\$0 15	\$1 25		

WATSONIA	Ardernei			
(O'Brieni).	Large,			
beautiful,	snow-			
white	Gladiolus-			
like blooms over 3				
inches in diameter.				
Fine forcer or for				
planting outdoors				
in Spring.	2 lbs.			
10	25	2	00	15 00

ZEPHYRANTHES	can-			
dida.	White, green-			
ish base	10	40	3	00

Insecticides and Remedies for Plant Diseases

ALL SUBJECT TO CHANGE IN PRICE WITHOUT NOTICE

POSTAGE, EXPRESS OR FREIGHT CHARGES TO BE PAID BY PURCHASER

ANT-DESTROYER. Will positively destroy ants.

¼-lb. tins ..\$0 15	1-lb. tins .....\$0 45
½ lb. tins .. 25	5-lb. tins 2 00

APHINE. Has no equal for the destruction of green, black or white fly, thrips, red spider, mealy bug, etc. Use one part to forty of water. Does not injure the most tender plants.

¼ pt. ....\$0 25	Pt. ....\$0 65
½ pt. 40	Qt. 1 00
Gal.	2 50

ARSENATE OF LEAD. Adheres well to foliage and does not readily wash off. It remains well suspended in solution, insuring even distribution. It is white, and shows just where it has been applied. It does not injure tender foliage.

Lb. ....\$0 30	10 lbs. ....\$2 50
5 lbs. 1 30	25 lbs. 5 75
100 lbs.	20 00

BORDEAUX MIXTURE, or FUNGIROID. For all fungous diseases.

Dry—

1-lb. can ..\$0 45	5 lbs. ....\$1 75
50 lbs.	17 00

Liquid—

Qt. ....\$0 50	Gal. ....\$1 50
5-gal. keg	4 50

BORDEAUX ARSENATE LEAD PASTE.

1 lb. ....\$0 30	10 lbs. ....\$2 25
5 lbs. 1 25	25 lbs. 5 50
50 lbs.	10 00

BUG DEATH. This is a fungicide, insecticide and plant food combined, and contains neither Paris Green nor Arsenic.

1 lb. ....\$0 20	5 lbs. ....\$0 75
3 lbs. 50	12½ lbs. 1 50

BLACK LEAF 40. For spraying vegetables, fruits and flowers to destroy sucking insects.

1-oz. bottle . \$0 25	½-lb. tin .....\$0 60
2-lb. tin	2 00

COPPER SOLUTION, Ammoniated. Prevents black and brown rot, mildew and other grape diseases, Pear and Apple scab, leaf blight, Tomato rot, Potato blight, Melon blight, etc. Dilute one part to 100 parts of water; spray lightly.

Qt.\$0 80	Gal.\$2 50
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CUTWORM FOOD. Kills the worms; simple and easy to use; specially prepared for bringing young plants through the critical period.

1-lb. pkg. ..\$0 30	5-lb. pkg.\$1 25
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CUTWORM PREVENTIVE. Of inestimable value. Cutworms will not infest soil mixed with this preparation.

5-lb. can ...\$0 50	10-lb. can ...\$0 90
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"ELECTRIC" WORM ERADICATOR. For killing all grubs, insects and worms that do their destructive work at the roots of plants and trees, and infest lawns, golf-courses, etc. For most pests, four ounces to each four gallons of water; for cutworms, four ounces to two gallons of water.

4-oz. bottle . \$0 25	1 gal. ....\$4 00
8-oz. bottle . 50	5 gals. ....17 50
24-oz. bottle 1 00	10 gals. ....34 00

FIR-TREE OIL. Dilute one pint to twenty gallons of water. Apply with vaporizer or syringe.

½ pt. ....\$0 75	Qt. ....\$2 25
Pt. 1 25	½ gal. 4 00
Gal.	7 00

FIR-TREE-OIL SOAP. Mix at the rate of one ounce to a gallon of water, and apply with a bellows or syringe.

½-lb. tin ...\$0 30	2-lb. tin\$0 85
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FISH-OIL SOAP. (Formerly called Whale-Oil Soap.) For washing trees and destroying all insects on the bark.

1 lb. ....\$0 25	10 lbs. ....\$2 20
5 lbs. 1 20	100 lbs. ....20 00

INSECTICIDES AND REMEDIES FOR PLANT DISEASES—Continued

FUNGINE. For mildew, rust, and all other blights, does not stain foliage.

Pt.\$0 65 | Qt.\$1 00
1 gal. 3 50

GRAPE DUST, Hammond's. For the prevention of mildew on Roses, Grapes, Gooseberries, etc. Apply with bellows.

5 lbs.\$0 75 | 10 lbs.\$1 40
100 lbs. 12 00

HELLEBORE. Apply dry or mix in water—one ounce to three gallons.

1 lb.\$0 60 | 2 lbs.\$1 10

HERBICIDE. The Weed Exterminator. Dilute with from 20 to 40 parts of water.

1-qt. can ...\$0 55 | 1 gal.\$1 75
½ gal. 1 05 | 5 gal. 7 00
10 gal. 12 50

KEROSENE EMULSION. For Cabbage worms, scale on trees, caterpillars, Melon lice, Rose bugs, etc. Dilute 25 to 50 parts.

Qt.\$0 55 | 1 gal.\$1 50
½ gal. 1 00 | 5 gals. 5 75

KILM WEED ERADICATOR. A patented tube containing a powerful weed killer. Will exterminate Dandelion from lawns. Easy to use. Each 50 cts. Extra tubes of powder for re-charging, 25 cts. each.

LAWN COMPOUND, Sterlingworth. A non-poisonous powder to destroy Plantain, Dandelions, Chickweed, and most other weeds having a broad, hairy surface, without killing the grass. Five pounds will dress 500 to 1,000 square feet, according to condition of the lawn.

5-lb. can ...\$0 60 | 50-lb. keg ...\$4 00
10-lb. can ... 1 00 | 100-lb. keg ... 7 50

LEMON OIL. For destroying scale, caterpillar, mealy bug, etc. Directions on can.

½ pt.\$0 30 | Qt.\$0 90
Pt. 50 | ½ gal. 1 50
1 gal. 2 50

LIME-SULPHUR SOLUTION, California Wash. For San José scale. One gallon makes fifteen by adding water.

Qt.\$0 50 | 5 gals.\$4 25
Gal. 90 | 10 gals. 8 00

MO-LO. A poison to kill moles. Pkg. 25 cts.

NICO-FUME LIQUID. For fumigating or spraying. Effective against green fly, mealy bug, etc. Does not stain or injure blooms, and leaves no disagreeable odor. For spraying, one to two teaspoonfuls to a gallon of water. Lamps, 60 cts. each.

¼ lb.\$0 50 | 4 lbs.\$5 50
Lb. 1 50 | 8 lbs. 10 50
Fumigators, 60 cts. each.

NICO-FUME TOBACCO PAPER. For fumigating. Does not injure blooms. In tins.

24 sheets ...\$0 85 | 144 sheets ...\$4 00
288 sheets 7 50

PARIS GREEN. Mix at rate of one pound to two hundred gallons of water. Effective against all chewing insects.

¼-lb. can ...\$0 25 | ½-lb. can ...\$0 40
1-lb. can., (All subject to change).. 75

PYROX. The best and safest all-round spray for all insects, blights and fungus troubles. Kills Potato bugs. Sticks like paint.

1 lb.\$0 35 | 10 lbs.\$2 50
5 lbs. 1 40 | 25 lbs. 5 75

READEANA. Rose bug exterminator in liquid form.

4-oz. can ...\$0 25 | 1 qt.\$1 35
8-oz. can ... 50 | ½ gal. 2 25

SCALECIDE. For San José scale. Petroleum oil that mixes at once with cold water and stays mixed. No hot water necessary. Add one gallon for every fifteen to twenty gallons of water.

Qt.\$0 55 | Gal.\$1 35
5 gals. 4 85

SLUG-SHOT, Hammond's. Excellent for destroying Cabbage, Turnip and Beet flies, Potato bugs, Currant worms, etc.

Lb.\$0 15 | 10 lbs.\$0 90
5 lbs. 50 | 100 lbs. 8 00

SULPHO-TOBACCO SOAP. Dissolve in proportion of two ounces to a gallon of water, and apply with a syringe or atomizer. It will destroy Rose slugs, aphides, green fly, bark lice, etc.

3-oz. box ...\$0 10 | 8-oz. box\$0 20

SULPHUR, POWDERED. Valuable for protecting against mildew on Grapes, Roses, etc.

Lb.\$0 12 | 10 lbs.\$0 90

TOBACCO DUST—

Regular Kind. Highest grade for dusting.

Lb.\$0 10 | 10 lbs.\$0 60
5 lbs. 35 | 100 lbs. 3 50

Stoothoff's "Black Stuff." For dusting.

25 lbs. ...\$1 75 | 50 lbs.\$3 00
100 lbs. 5 00

Stoothoff's "Fumigating Kind." For burning.

25 lbs. ...\$1 75 | 50 lbs.\$3 00
100 lbs. 5 00

TOBACCO STEMS. For fumigating. In bales of about 150 lbs., at \$2.75 per 100 lbs.

TREE TANGLEFOOT. A sticky substance applied directly to the bark to protect trees against climbing insect pests. One application remains sticky, fully exposed to weather, three months. One pound will make a band 7 to 8 feet long and about 6 inches wide.

1-lb. tin ...\$0 45 | 10-lb. tin ...\$4 00
3-lb. tin ... 1 30 | 20-lb. tin 7 50

VERMINE. A soil sterilizer and germicide for all soil vermin, such as cut, eel, wire and grub worms, slugs, maggots, ants, etc.

¼ pt.\$0 25 | Pt.\$0 65
½ pt. 40 | Qt. 1 00
1 gal. 3 00

VITRIO. A scientifically blended Bordeaux and Lead Arsenate for spraying purposes.

1 lb.\$0 35 | 5 lbs.\$1 40
10 lbs. 2 50

INSECTICIDES AND REMEDIES FOR PLANT DISEASES—Continued

WEED-KILLER, Pino-Lyptol. This fluid absolutely destroys all the weeds and other growth wherever applied. Mix one part Pino-Lyptol with ten to fifteen parts water.

1 gal.	\$1 50	5 gals.	\$6 00
10 gals.			11 50

WEED-KILLER, Sterlingworth. A powerful powder for destroying vegetation of all

sorts on gravel walks. Also excellent for destroying Poison Ivy.

1-lb. box ...	\$0 50	5-lb. box	\$2 00
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X-L-ALL LIQUID INSECTICIDE. An efficient preparation for spraying. Purely nicotine; harmless to very delicate plants; kills mealy bugs, red spider and all insect pests.

Pt. \$1.00, qt. \$1.85, ½ gal. can	\$2.75	1 gal. can	\$5.00.
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High-Grade Fertilizers

ALL NET CASH—PRICES SUBJECT TO CHANGE WITHOUT NOTICE

COMPLETE MANURE

Guaranteed to contain ammonia, 2 per cent.; available phosphoric acid, 9 per cent.; actual potash, 1 per cent.; sulphate of magnesia, soda, lime, sulphuric acid, etc. Adapted for use on all crops, such as Corn, Tomatoes, Peas, etc., and is especially suited for grain crops. Use 1,200 to 1,500 pounds to the acre.

Ton	\$52 00	Bag of 100 lbs.	\$3 00
Half-ton	27 00	50 lbs.	2 00
Quarter-ton	14 00	25 lbs.	1 25
Single bag of 200 lbs.	6 00	10 lbs.	60

Lawn Fertilizer

Guaranteed to contain ammonia, 4¾ per cent.; available phosphoric acid, all soluble, 5 per cent.; actual potash, 1 per cent.; lime, sulphate of magnesia, soda, sulphuric acid, etc. Specially prepared for lawns and meadows as a top-dressing. Apply broadcast at rate of 1,000 to 1,500 lbs. to the acre.

Ton	\$70 00
Half-ton	36 00
Quarter-ton	19 00
Single bag of 200 lbs.	7 75
Bag of 100 lbs.	4 00
50 lbs.	2 25
25 lbs.	1 30
10 lbs.	80

Potato Manure

Guaranteed to contain ammonia, 4 per cent.; available phosphoric acid, 9 per cent.; actual potash, 1 per cent.; sulphate of magnesia, soda, lime, sulphuric acid, etc. This manure is for special use on the Potato crop, and is also adapted to Sweet Potatoes, Vines, Fruit Trees, etc. Use broadcast, about 1,500 lbs. to the acre.

Ton	\$64 00
Half-ton	33 00
Quarter-ton	17 50
Single bags of 200 lbs.	7 20
Bag of 100 lbs.	3 75
50 lbs.	2 00
25 lbs.	1 25
10 lbs.	75

Agricultural Salt

For asparagus beds, etc. In bags of about 200 lbs.

Bag	\$2 00	Ton, about ..	\$18 00
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Not less than one bag sold.

Bowker's Ammoniated Food for Flowers

Excellent for use on house plants, being entirely odorless.

Small pkg. ...	\$0 15	Large pkg. ...	\$0 25
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Hardwood Ashes

Highest grade unleached. For top-dressing lawns, especially if the soil is stiff or sour, one and one-half to two tons to the acre.

Per 100 lbs. ...	\$2 00	½ ton	\$16 00
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(In barrels of 175 to 200 lbs.)

Ton	30 00
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(Barrels weighed in)

Clay's Celebrated Fertilizer

One of the best manures for all horticultural purposes, either in greenhouse or garden. Splendid for mixing with potting soil and as a top-dressing. Notwithstanding its apparently high price, it is quite economical.

Prices in Bags

½ cwt. (14 lbs.)	}	Expected Price on application
¾ cwt. (28 lbs.)		
1 cwt. (56 lbs.)		
1 cwt. (112 lbs.)		

HIGH-GRADE FERTILIZERS—Continued

Thomson's Vine Manure

Unrivald for Vines, Tomatoes, Cucumbers, Fruit Trees and all foliage, flowering and fruit-bearing plants, also for vegetables and outdoor plants of every description. The result of many years' practical experience.

½ cwt. (56 lbs.)	\$4 50
Cwt. (112 lbs.)	\$8 00

Thomson's Special Chrysanthemum Manure

½ cwt. (56 lbs.)	\$8 00
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Pulverized Sheep Manure

(Sheepshad Brand)

A rich, pure, natural manure. Excellent as a top-dressing for lawns. Its effect is immediate and lasting. Apply at the rate of 1,500 lbs. per acre. There is nothing better for mixing with the soil for greenhouse plants—one part manure to six parts soil. It is recommended for the vegetable-garden, promoting a steady and rapid growth. It makes a rich and safe liquid manure—one pound to five gallons of water.

1-lb. pkg.	\$0 10	100 lbs.	\$3 00
5-lb. pkg.	40	¼ ton	14 00
25 lbs.	1 10	½ ton	26 00
50 lbs.	1 70	Ton	48 00

Pulverized Limestone

A product that has an exceedingly wide sale among intelligent agriculturists, with the best of results. As a crop-producer we hardly believe it has an equal. It is made from the purest crystalline white limestone obtainable, and analyzes about 97 per cent. carbonate.

Bag of 100 lbs.	\$1 25	½ ton	\$7 50
Ton			14 00

Other Fertilizers

Prices subject to change

ACID PHOSPHATE	100-lb bag	} Prices on application.
TANKAGE (Blood and Bone Fertilizer)	100-lb bag	
IMPORTED SCOTCH SOOT	in bags of 112 lbs.	
NITRATE OF SODA		
MURIATE OF POTASH		
FARMGERS. See page 65.	Price, garden size, 50 cts., 1-acre bottle, \$2.00; 5-acre bottle, \$7.50.	

Alphano Humus

A plant food and Nature's soil builder; suitable for the vegetable and flower garden, lawn, shrubbery, golf links, etc.; excellent used as a top dressing for all grass; being quite odorless, it forms an ideal mixture for the greenhouse—three parts soil to one of Humus. Guaranteed analysis: Nitrogen, 1.25 to 2.50 per cent.; ammonia, 1.50 to 3 per cent.; available phosphoric acid, 0.50 per cent.; potash, 0.50 per cent.; balance humus vitalizers, lime and moisture. Price, \$1.50 per 100-lb. bag, \$20 per ton.

Atkinson's Prepared Humus

A scientifically prepared plant food. Excellent for lawns; saves time and labor and gives positive results. Price, 5 lbs. 35 cts., 25 lbs. \$1.25, 50 lbs. \$2, 100 lbs. \$3, 1 ton \$50.

Bone Fertilizers, Etc.

Prices subject to change

Pure Ground Bone Meal No. 1. Finely pulverized; excellent for Rose-culture. It decomposes very rapidly, and is more quickly effective than the coarser grades. It is excellent for mixing with the soil for potting.

5 lbs.	\$0 40	100 lbs.	\$3 50
10 lbs.	75	¼ ton	15 00
25 lbs.	1 25	½ ton	28 50
50 lbs.	2 00	Ton	55 00

Ground Bone, No. 2. Coarser than the above; for top-dressing for lawns, and for garden and field crops.

100 lbs.	\$4 50	½ ton	\$35 00
¼ ton	18 00	Ton	68 00

Ground Bone, No. 3. A little coarser than No. 2.

100 lbs.	\$4 75	½ ton	\$38 00
¼ ton	20 00	Ton	74 00

Thorburn's Special Raw Bone

This is composed of medium, fine and coarse bone, good for general crops, the finer portion acting at once, while the coarse bone keeps up the supply of food for the plant for a long time. Contains 4 per cent. ammonia, 3.30 per cent. nitrogen.

100-lb. bag	\$3 25	½ ton	\$26 00
¼ ton	14 00	Ton	47 00

Pure Raw Bone Meal, Swift's. Contains 4½ per cent. ammonia, 23 per cent. phosphoric acid and over 3½ per cent. nitrogen.

100 lbs.	\$4 50	½ ton	\$33 50
¼ ton	17 75	Ton	65 00

Leaf-Mold. Indispensable for Azaleas, Rhododendrons, etc. Bbl. \$2.25.

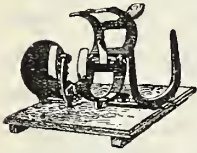
Moss, Sphagnum. For filling Orchid baskets, etc., and for mixing with potting soil to conserve moisture. In bales, 35 lbs. to 40 lbs., at 10 cts. per lb.

Peat, Orchid. For potting Orchids, etc. Barrel, \$2.25.

Peat, Rotted. Fine for mixing with soil for potted plants such as Azaleas, Palms, etc. Barrel, \$2.25.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES

ALL NET CASH
POSTAGE, EXPRESS OR FREIGHT CHARGES TO BE PAID BY PURCHASER
PRICES NOT GUARANTEED, SUBJECT TO CHANGE



ASPARAGUS BUNCHER, Acme. The most popular make. \$2.50.

ASPARAGUS KNIVES



English. (Saw Blade). \$1.25.



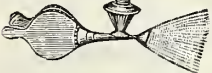
Granite State. 40 cts.

ATOMIZER.

Large, \$2.75
Small, 2.25



BELLOWS, Woodason's Double Cone, Powder. \$4.25.



Single Cone, Large. \$2.75.

Small, \$1.75.



JUMBO POWDER GUN.

It is 4 inches in diameter, holds 4 ozs. of powder, and serves its purpose well. 35 cts.



BILL AND BRUSH HOOKS.

For heavy pruning.—
English. S-handle. \$2.75.
American. Long handle, \$1.00.

BORDER SHEARS. See p. 152.



CARNATION SUPPORTS. Made of light wire, galvanized.

2-Ring.

Per doz.....\$0.75
Per 100 5.00

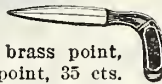
3-Ring.

Per doz..... 1.00
Per 100 5.50

CORN KNIFE. Worthington, No. 2\$0.25
(See also Grass Hooks)

DIBBLES.

All Iron. 40c.
Wood Handle, brass point, 60 cts. Iron point, 35 cts.



DANDELION PULLER

Hall's. 50 cts. each.



EDGING KNIVES.

Grass, English. Ea.
8-in.\$1.75
9-in. 2.00
10-in. 2.25
Without handle.
Handles, 50c extra.



FLOWER-POTS. See page 151.

FORKS, Digging or Spading.

Best quality, spear point, diamond-back tines. Strapped handle, Long or D. Each
4-tine\$1 50
5-tine 1 60

Hay. First-quality oval tines. Extra-long strapped handle.
2-tine90
3-tine 1.00

Manure, Long or Short-handled. Strapped handle.
4-tine 1.40
5-tine 1.75



Ladies' Weeding Fork. American short handle. .30

Boys' Spading. 4-tine.... .75

FRUIT-PICKERS.

Perfect. Galvanized steel wire, attaches to pole of any length. Price, without pole, 45 cts. Poles, for above, 50 cts. each.

FUMIGATING LAMP, "Defiance."

For all vaporizing liquids. No glass. Burns kerosene. 60 cts.

FUMIGATOR, "Eureka."

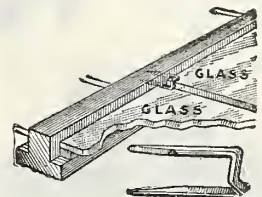
For fumigating with tobacco stems. Very best quality, heavy galvanized tin. Each
No. 1 holds ½ pk. \$1.75
No. 2 holds 1 pk. 2.25
No. 3 holds ½ bus. 2.75



GARDEN LINES, Finest Braided. 100 feet, 75 cts.

GARDEN REELS. For garden lines. Wrought-iron. Holds 100 feet, 75 cts.; larger size, \$1.10.

GARDEN TOOLS for Ladies. Set of 3 pieces (spade, hoe and rake), \$1.50.



GLAZING POINTS, The Tiger.

No. 2, 60 cts. per 1,000.
No. 2½, 65 cts. per 1,000.
Pincers, for above. 55 cts.

GLASS CUTTER, "Red Devil."

Hand-honed wheels. Standard of the world. 10, 15 and 25 cts. each.



GLOVES, Gardeners', Goatskin. For men only. \$2.00.

GRAFTING WAX. The best grade.

¼-lb. pkg.\$0 15
½-lb. pkg. 20
1-lb. pkg. 30



GRASS HOOK, or Corn Knife, Crescent. Adjustable. 35 cts.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

ALL NET CASH

POSTAGE, EXPRESS OR FREIGHT CHARGES TO BE PAID BY PURCHASER
PRICES NOT GUARANTEED, SUBJECT TO CHANGE

GRASS, HOOKS, (Sickle), English Riveted Back. Thin, sharp blades, strengthened by a riveted back; light and rapidly handled. 60 cts.

With Trowel Shank. The handle is raised from the blade, making it possible to cut close without bruising the knuckles. 50 cts.

HOES, Garden—

Draw, or Corn. 5-in. 60 cts., 6-in. 70 cts., 7-in. 80 cts.

English Scuffle. Finest-quality steel.

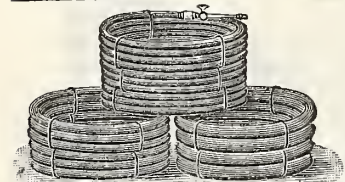
5-in.\$0 70
6-in. 75
7-in. 80
8-in. 85
9-in. 90
10-in. 1 00
Handles 50 cts. each extra.



Crescent Shape Scuffle Hoes. Handled. 50 cts. each.

"Baby" Warren. 40 cts. each.

Warren. Solid steel socket, used in drilling seed. 95 cts. and \$1.10 each, with handle.



HOSE, Rubber. ¾-in. Electric. In 25-ft. and 50-ft. lengths, 22 cts. per ft.

Thorburn Standard.

X, 6-ply, 15 cts. per ft.
XXX, 7-ply, 18 cts. per ft.

Our hose is carefully selected, made of first-class material and coupled at both ends. In 25- or 50-ft. lengths.

HOSE END, No. 1. For connecting hose with ordinary faucets. 50 cts. each.

HOSE COUPLINGS—

½-in.\$0 20
¾-in. 25
1-in. 40

HOSE NOZZLES, Graduating Lawn Hose Nozzle. Will throw coarse or fine spray, or solid stream. ¾-in., 60 cts. each.

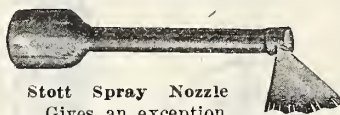
Boston Hose Nozzle. For ¾-in. hose. 75 cts.

Fountain Brass Hose Nozzle. 25 cts.

"Bordeaux" Spraying Nozzle. For ¼-in. pipe, \$1.00 each.



Shower Spray Nozzle. A perfect spray nozzle made of brass; non-corrosive—will not clog. Has both fine and coarse sprays. \$1.25 each.



Stott Spray Nozzle

Gives an exceptionally fine spray. Impossible for it to get out of order. Single Spray, for ¾-in. connection. \$1.50 each. Double Spray. \$2.00 each.

Vermorel Spray Nozzle. 85 cts.

HOSE BANDS, for couplings.

To fit ½-in. hose, 75c. per doz.
To fit ¾-in. hose, 85c. per doz.
To fit 1-in. hose, \$2 per doz.

HOSE MENDERS, Cooper's.

Brass; will not rust or wear. No fastening required. For hose with ½-in. bore, 10 cts. each, \$1 per doz.
For hose with ¾-in. bore, 12 cts. each, \$1.25 per doz.

HOSE REELS, Tubular Iron.

Never break or wear out. No. 10 will hold 100 ft. of ¾-in. hose, \$4. No. 20 will hold 150 ft. of ¾-in. hose, \$5. No. 30 will hold 500 ft. of ¾-in. hose, \$6.

HOTBED SASH. Best quality.

Packing at cost.

Unglazed. 3x6 ft. for 10x12 glass.

Glazed and Painted. 3x6 ft., 10x12 glass.

Glazed and Painted. 3x6 ft., 10x12 extra heavy glass.

Prices on application



HOTBED MATS for Covering Sashes. Padded, stitched and hemmed. Size, 76 in. by 76 in.; one mat covers two sashes. \$3 each. \$30 per doz.

KNIVES, Saynor's Celebrated English. Best make.

No. 196 \$2.50. No. 187 \$1.75
Buckhorn handles.

No. 80 Wood Handle Pruner, American. 80 cts.

No. 916 English Budder. Ivory handle. \$1.50.

No. 2107 Stag Handle Pruner and Budder. \$1.00.

No. 4062 White Bone Handle Pruner and Budder. \$1.25.

Wostenholm's Pruner only, \$1. H. & B. Budders, 2 blades, \$1.25.

LABELS, Wooden, Pot and Garden—

	Plain	Painted
	100	1000
3½-in. ...	\$0 15	\$0 70
4-in.	15	80
4½-in.	15	90
5-in.	20	1 00
6-in.	25	1 25
8-in.	50	3 75
12-in.	75	6 00
24-in.	2 50	90

Wooden, Notched Tree—

	Plain	Painted
	100	1000
3½-in. copper wire ...	\$0 30	\$2 00
3½-in. no wire ...	10	70
6-in. no wire ...	30	2 60
	40	3 00



Simplex Weatherproof Plant Labels..

No. 1 3½ x ½ in., 25 cts. doz., \$2.00 per 100.
No. 2 4 x ¾ in., 50 cts. doz., \$4.00 per 100.

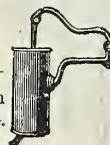


MEHLER'S HANDY GARDEN TOOL.

One of the best tools for breaking the crust of the ground and weeding. \$1.

MASTICA GLAZING MACHINE. \$1.80.

MASTICA. For use in the above machine. Gal. \$1.85.



HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

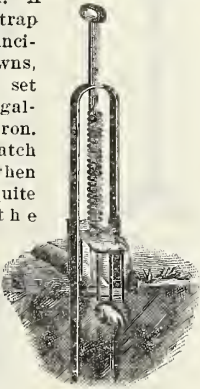
ALL NET CASH

POSTAGE, EXPRESS OR FREIGHT CHARGES TO BE PAID BY PURCHASER
PRICES NOT GUARANTEED, SUBJECT TO CHANGE

MOLE TRAPS.
Olmsted's Improved. A short trap, suitable for lawns or cold-frames. Made from good quality steel. Practically indestructible. \$1.50 each.



The Reddick. A powerful trap used principally on lawns, easily set. Made of galvanized iron. It will catch moles when they are quite deep in the ground. As the points of the pin are constantly in the ground, they cannot injure chickens or domestic animals. \$1 each, \$9.50 per doz.



PENCILS. For writing garden labels.
Black, 5 cts. ea., 50 cts. per doz.
Wolf's Indelible. Imported from England. 15 cts. each, \$1.50 per doz.

PLANT DUSTERS, Dickey Duster, for applying dry insecticides, 35 cts.



B-D SIFTER, also for applying dry powders, 75 cts.

PLANT STAKES, Round, Painted Green—

	Doz.	100
2 feet	\$0 40	\$2 50
3 feet	70	4 90
4 feet	1 20	7 50
5 feet	1 35	8 75
6 feet, extra heavy...	1 75	12 00
8 feet, extra heavy...	2 00	15 00

	Doz.	100
2 feet	\$0 35	\$2 25
3 feet	70	5 50
4 feet	1 20	7 50
5 feet	2 25	16 00
6 feet	2 50	18 50

Dahlia Poles, Painted Green, White Tops—

	Doz.	100
2 feet	\$0 70	\$4 50
3 feet	90	6 50
4 feet	1 20	9 00
5 feet	1 50	11 00
6 feet	1 80	13 00

Plant Stakes, Galvanized Wire, for Roses, etc.—

	Doz.	100
2 feet	\$0 30	\$2 00
3 feet	40	2 25
4 feet	50	2 50
5 feet	60	2 75

Japanese Bamboo. Bundles of 100 only. 6 ft., \$1.50.

PRUNERS, Waters' Long-handled Tree.

	Each	8 feet...	Each
4 feet.....	\$0 75		\$1 15
6 feet.....	1 00	10 feet....	1 25
12 feet.....			1 35
Extra Blades.....			25



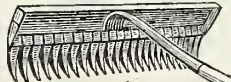
PRUNING KNIFE

Kansas. Automatic, strong, durable and a good time-saver. Has compound leverage, which greatly increases the power. \$3 each.

PUTTY FOR GLAZING, Twemlow's Old English. Can be used with machine or bulb. \$2 per gal.; 5- and 10-gal. buckets.



RAFFIA, for tying. Per lb. 40 cts.



RAKES, English or Daisy. 16 teeth, \$3.

	Each
18 teeth	\$3 25
20 teeth	3 50

Hay Rake, 3-bow. Wood....\$0 75

The "Lawn" King Rake. Wood. Teeth very close. Will not tear sod.

26-teeth size	50
38-teeth size	60

Automatic Self-Cleaning Lawn Rake. Backward motion clears the teeth..... 75

Steel Garden Rake.—

	Each	14-teeth...	Each
10-teeth....	\$0 70		\$0 80
12-teeth....	75	16-teeth...	90
18-teeth....			1 00

Wire Lawn Rakes. Will not scratch the lawn. With handle 75

Wooden Lawn Rake. 3-bow 75



SAWS.

Little Giant Saw and Pruner Combined. The knife is operated with a cord, and is thrown back automatically with a spring. Without pole, \$2.25.



Saws, "One-Edge" Pruning. Narrow blade, gets among close branches; upper edge smooth, does not cut the upper limb.
16-in. \$0 80
18-in. 90
20-in. 1 00



Adjustable-Blade Pruning. Can be adjusted and used at any angle; cuts cleanly and rapidly; light and strong. \$2.00.



Lightning Double-Edge Pruning.—
16-in. \$0 90
18-in. 1 10
20-in. 1 25
Saynor's Socket Pruning Saw.
18-in. \$1 75



SAUCERS, Flower-Pot, Indurated Wood-Fiber. Light and durable. Not porous; will protect tables on which plants stand.

	Each	Doz.
6-in.	\$0 25	\$2 80
8-in.	30	3 25
10-in.	35	3 85
12-in.	45	4 80
14-in.	50	5 75



SEEDERS, Cahoon. With practically a minimum of labor will sow all kinds of grass and grain seeds. Will throw heavy seeds 20 feet each side of operator. \$3.50 ea.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

ALL NET CASH

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PRICES NOT GUARANTEED, SUBJECT TO CHANGE

Little Giant.

A smooth-running, well-made machine.
\$1.00.



SCYTHES.—

English Lawn, Riveted Back.

Light and thin, broad blades.
32-in., \$1.50; 36-in., \$1.75;
34-in., 1.60; 38-in., 1.85.

SCYTHE-SNATH, or Handle. Patent Loop Heel, \$1.25.

SCYTHE STONES.—

Round Dressed Talacre.

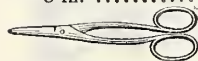
Each
Doz. \$2.....\$0 20
Norton's Emery 15



SCISSORS.

Grape-Thinning, English.

6-in. \$1 25
7-in. 1 50
8-in. 1 75



Flower-gathering.

Will cut and hold the flower.

Each
7-in. \$1 50
8-in. 2 50

SHEARS,

Pruning.

Imported \$1.75.



Watch-Spring.

Perfection

Pruning.

Each

No. 1, 6½ in. \$2 00

No. 2, 7½ in. 2 25

No. 3, 8½ in. 2 50

Wiss Solid Steel Pruning.



Best American shear. Detachable blades.

Each

9-in. \$2 75

10-in. 3 00

Swedish Pruning. No. 538. \$2 25

American, Japanned Handle, 75

English Hedge.



Plain Notch

8-in. \$2 25 \$2 75

9-in. 2 50 3 00

10-in. 2 75 3 25



Grass, "Trowel-Shank." American, full-polished, excellent steel. Trowel-like handles keep your knuckles out of the dirt. 90 cts. each.



Ladies'. Nickel-plated. Pruning. 75 cts. each.

English Border. For trimming grass around edges of paths, etc. Blades made of very high-quality steel. Handles 3 feet long.

Each

8-in. \$2 75

9-in. 3 25

10-in. 3 75



English Lopping. For lopping off limbs and branches of trees, not over 1¼ inches in diameter.

Each

No. 3 \$4 50

No. 4 5 00

Double Cut Tree Trimmer (Swedish)

23-in. \$2 25

30-in. 2 50



SHOVELS.—

Square Point.—

Each

No. 2. Regulation long or

D handle \$1 50

Ames No. 2. Long or D

handle 1 75

Boy's. D handle. 1 25



Round Point.—

No. 2. Long or D handle 1 50

Ames No. 2. Long or D

handle 1 75



SPADES.—

Square Point No. 2.

Each

Regulation long or D

handle \$1 50

Ames No. 2. Long or D

handle 1 75

Boy's Spade. D handle. 1 25



SCOOP, Vegetable. The best shovel for handling Potatoes, apples, etc. Will not cut; dirt sifts out. Light weight. \$2.

SPRAY PUMPS. See p. 155.

SPRINKLERS.—

Rubber Plant.

With large opening in neck; fills quickly; made of best white rubber.



Each

Straightneck. 6-oz. \$0 70

10-oz. 1 00

Angleneck. 6-oz. 1 00

10-oz. 1 25



Peck's Improved

Lawn Sprinkler.

May be attached to the hose and placed anywhere on the lawn.

Stands 4 feet high and distributes water over an area from 60 to 100 feet. 4-arm,

\$3.50 each; 8-arm,

\$4.00 each.



The "New"

Comet.

An ad-

justable

revolving

Sprin-

kler. Will

sprinkle

from 5 to

30 feet.

Easily

moved.

The two

arms may be set upright or

at any angle. Weight, 4½

lbs. \$3.50 each.

Water Witch No. 3.

Scatters the water in fine drops and evenly over a circular area of from 25 to 40 feet. 45 cts. each.



Water

Witch No. 4.

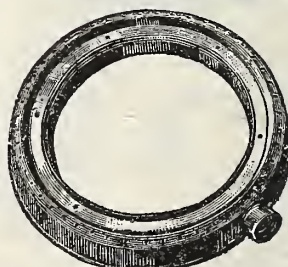
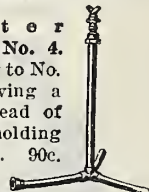
Similar to No.

3, but having a

stand instead of

spike for holding

it upright. 90c.



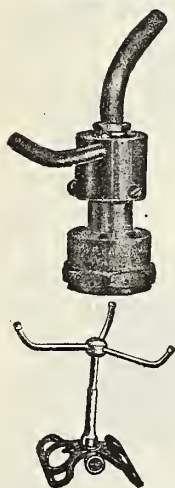
Ring Sprinkler. Has no revolving parts. The simplest Lawn Sprinkler. Made of good-quality brass. 85 cts. each.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

ALL NET CASH

POSTAGE, EXPRESS OR FREIGHT CHARGES TO BE PAID BY PURCHASER
PRICES NOT GUARANTEED, SUBJECT TO CHANGE

SPRINKLERS, continued



Automatic Lawn or Garden Sprinkler. Nickel-plated, on 4-ft. stand. Sharpened iron bottom for sticking into soil, and hose connection complete. \$3.50 each.

Hotchkiss Lawn Sprinkler No. 55. The most popular 3-arm Sprinkler on the market; made of brass, nickel-plated, with malleable iron runners. Will cover an area 30 feet in diameter. \$1.35 each.

Hotchkiss Lawn Sprinkler No. 65. This combination Sprinkler and fountain is beautiful as well as useful. Brass and nickel-plated, with malleable iron runners. Will cover an area 40 feet in diameter. \$2.00 each.



Shower Sprinkler. Mounted on holder for sprinkling lawns or can be attached directly to garden hose for washing sidewalks, etc. Cannot clog or get out of order; will not rust. Standard $\frac{3}{4}$ -in. hose connection. 10 in. high. Holder and nozzle complete. \$2.25.

SYRINGES. See page 154.



TROWELS, Solid Steel. Cheapest trowel in the long run; light, strong, durable and perfect "hang," handle cannot come off. Each

5-in. blade	\$0 50
6-in. blade	55
7-in. blade	00



Transplanting. A perfect trowel for transplanting and putting in bulbs; solid steel. 6-in. 15 cts.; 7-in., 20 cts.



THERMOMETERS.—

Oxidized Metal Scale. Polished Back. A thermometer for house use, durable and well made. Tube magnifies and is easy to read.

	Each
8-in.	\$0 75
10-in.	1 00
12-in.	1 25

Self-Registering, Polished Back. For indoor use; will register extremes of heat and cold; made of hard wood. A magnet is used to draw back the indicating points.

	Each
10-in.	\$2 00
12-in.	2 50



Self-Registering, Japaned Case. The same as preceding with tin case for outside use. Enamelled case and porcelain scale.

	Each
8-in.	\$3 00
10-in.	3 60
12-in.	4 00

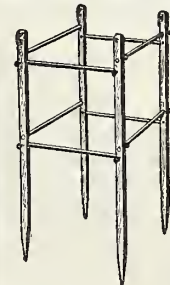


Japaned Tin Case. A cheap thermometer for greenhouse use; all metal. 10-in., 60 cts. each.

Mercury Bath or Hotbed. New. Quick-acting; all of metal. Cannot rust or break. \$2.25.

Hotbed and Mushroom Bed. Brass-tipped point incloses the temperature bulb; it is simply thrust into the soil or bed. Best grade (made of boxwood), \$1.75.

TOMATO SUPPORTS.—

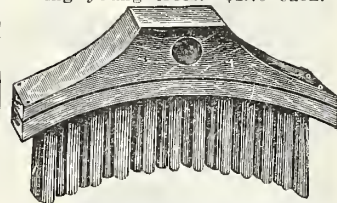


Wood. 36 in. high, 16 in. wide. Solidly made of clear, straight wood. Can be taken apart and stored when not in use. Will last for years. 25 cts. each, \$2.50 per doz.

TORCH, Asbestos. Very useful and simple. The only sure way to get rid of caterpillar nests on trees. Large size, 50 cts. each.



TREE BRUSH, small size. Fine wire bristles; useful for brushing young trees. \$1.75 each.



Tree Brush, Wire. For older trees; can be used with long handle. Complete, \$2.25.

TREE SCRAPER. For scraping diseased bark from trees, removing insect eggs, etc. 75 cts. each.

TREE-TUBS, New

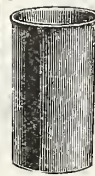
York Style. Made of cedar timber, painted green.



No.	Diam.	Height	Each
1.	12 in.	10 1/2 in.	\$2 05
2.	13 in.	12 in.	2 55
3.	14 1/2 in.	14 in.	3 15
3 1/2	16 1/2 in.	15 1/2 in.	4 20
4.	19 1/2 in.	16 1/2 in.	4 50
5.	22 1/2 in.	18 1/2 in.	6 00

TWINE, Green Smilax. In balls 15 cts. each; box of 8 balls \$1.00.

Florists' Linen (Silkline).— Green or Gray. 15 cts. per spool; box of 1 doz. spools \$1.50.



VASES, Flower. Indurated wood fiber; for cut flowers.

Diam.	Depth	No. in.	Each	Doz
3...4	6...	\$0 80	\$8 00	
2...4 1/2	9...	90	9 60	
1...5 1/2	10...	1 00	11 00	
0...8	13...	1 25	14 00	

For receptacles for holding above, see Saucers, p. 151.

WATERING POT, French Model.

Long spout, with brass joints, fitted with coarse and fine nozzles. Made of heavy galvanized iron reinforced with steel rim.



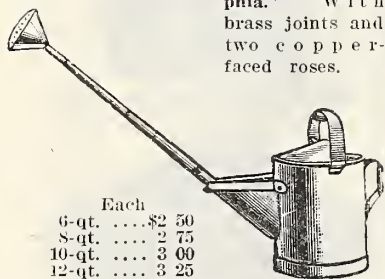
	Each
6-qt. ..	\$2 75
8-qt. ..	3 00
10-qt. ..	3 25
12-qt. ..	3 50

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

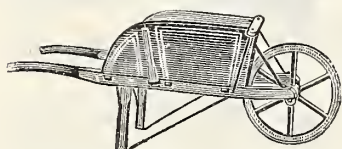
ALL NET CASH

POSTAGE, EXPRESS OR FREIGHT CHARGES TO BE PAID BY PURCHASER
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WATERING POT, The "Philadelphia." With brass joints and two copper-faced roses.



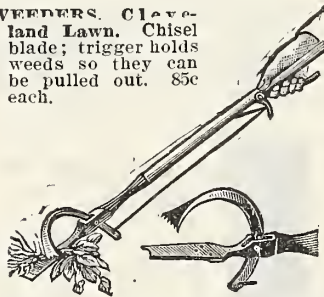
Each
6-qt.\$2 50
8-qt. 2 75
10-qt. 3 00
12-qt. 3 25



WHEELBARROW, Thorburn's Garden. None better made. Iron braced and bolted. Finished in natural wood, red or green. Steel wheel, if desired, 50 cts. extra. Nos. 2 and 3 made with steel wheel only.

Each
No. 2, Boy's\$4 50
No. 3, Small 5 00
No. 4, Medium 5 50
No. 5, Large 6 00

WEEDERS, Cleveland Lawn. Chisel blade; trigger holds weeds so they can be pulled out. 85c each.



SYRINGES, continued

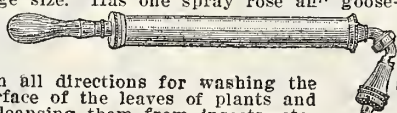


No. 3. Large size. Has one stream and two spray roses, with side pieces on barrel. Length of barrel, 18 in., diam. 1½ in. \$7 each

No. 4. Large size. Has jet and three rose sprays, two of which are kept in the handle. Length of barrel, 18 in., diam. 1½ in. \$7.50 each.

No. 6. Large size. Has one spray rose and a goose-neck angle joint,

turning in all directions for washing the under surface of the leaves of plants and flowers, cleansing them from insects, etc. Length of barrel, 18 in., diam. 1½ in. \$8.50 each.



WEEDERS—Continued

Excelsior Finger. Useful for loosening and pulverizing the soil. 10 cts. each.



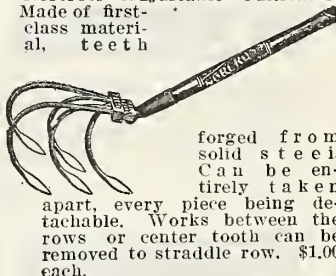
Lang's Hand. A strap over the finger keeps the tool in the hand while operator's fingers are left free. 20 cts. each. \$2.25 per doz.

Eureka Hand. The prongs of solid forged steel are thin and long; fine for loosening soil. Short handle. 40 cts. each. \$4.25 per doz.



Magic. Combined Weeder and hoe. Fingers of tempered steel. The hoe is useful in loosening hard ground. 40 cts. each, \$4.25 per doz.

Norcross Adjustable Cultivator. Made of first-class material, teeth



forged from solid steel. Can be entirely taken apart, every piece being detachable. Works between the rows or center tooth can be removed to straddle row. \$1.00 each.

FLOWER-POTS

Prices subject to change without notice.

Best make. Of sizes 2 to 3 in. we do not sell less than 100; of larger sizes not less than a dozen. We pack carefully in the best manner, but will not be responsible for breakage in transit.

Packing and crating extra at cost.



FLOWER-POTS—Continued

Size	Doz.	100	1,000
2 in.		\$1 00	\$9 00
2½ in.		1 50	15 00
3 in.		1 75	15 00
4 in.	\$0 40	2 40	22 00
5 in.		3 00	35 00
6 in.		3 00	60 00
7 in.		1 50	10 00
8 in.		2 00	14 00
9 in.		3 00	20 00
10 in.		3 75	27 00
12 in.		7 00	55 00

BULB PANS.

	Doz.
6 in.	\$1 00
8 in.	2 50
10 in.	5 00
12 in.	9 00

All prices subject to change without notice.

NEPONSET WATERPROOF PAPER FLOWER POTS.

Diam.	Doz.	100	1,000
2½ in.	\$0 10	\$0 50	\$4 00
3 in.	12	70	6 00
3½ in.	14	90	7 00
4 in.	20	1 20	8 00
5 in.	25	1 50	12 00
6 in.	30	2 00	16 00

SYRINGES



No. A. One spray rose and one jet. Length of barrel 12 in., diam. 1 in. \$2.75 each.



No. G. One spray rose and one stream jet, side attachment and elbow-joint for sprinkling under foliage. Length of barrel 16 in., diam. 1½ in. \$5.25 each.



No. H. Sheet brass with fixed spray rose; length of barrel 16 in., diam. 1½ in. \$3.25 each.



No. 2. One coarse and one fine spray rose, and one jet, side attachment. \$4.75 each.

SPRAY PUMP, BUCKET

Being made of brass, it is not affected by the arsenites used for spraying. Easily operated; throws a solid stream 50 feet. It is provided with a combination nozzle, and also with a sprinkler for flowers. For spraying large trees, an 8-foot pipe extension is supplied for 60 cts. extra. This pump is also valuable for washing windows. \$4.75.

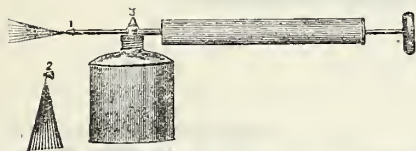


HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

ALL NET CASH

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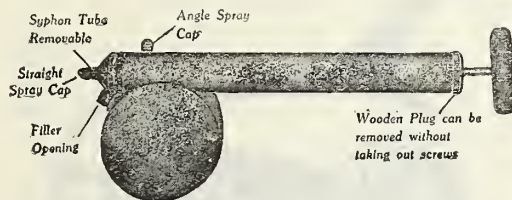
PRICES NOT GUARANTEED, SUBJECT TO CHANGE



THE ROBERTSON COMPRESSED AIR SPRAYERS

Easily operated, requiring half the labor of ordinary sprayers.

Galvanized Tank\$1 25
Brass Tank 2.00



AUTO SPRAYER.

Operates continuously on both the up and down stroke, throwing a fine, misty spray.

No. 25A. 1 qt. all tin\$0 90
No. 25C. 1 qt. tin pump, brass tank 1 25



"POMONA" SPRAY PUMP

Of large capacity and exceptionally powerful. It is easily operated by one person when necessary, but is especially built for spraying with two leads of hose. The air-chamber is rather large, and enough air is stored up for a continuous spray for some time. Plunger, valves and all working parts are made of very good quality brass. It can be quickly inserted or removed from the barrel. Its paddle agitator is far superior to the old return-discharge method of stirring. Adjustable to different-sized barrels.

Pump only with agitator, \$22.00.
Outfit C. Pump, agitator, 15 feet of discharge hose and spray nozzle, \$26.00, fitted to barrel, \$31.00.
Outfit D. Pump, agitator, two leads of discharge hose and two spray nozzles, \$29.00; fitted to barrel, \$34.00.

"FRUITALL" SPRAY PUMP

Same as Pomona, but smaller. Pump with agitator and one lead of 15 feet of 3/4-in. discharge hose, with spray nozzle, \$16.50; fitted to barrel, \$21.50.
Prices subject to change.

CONTINUOUS SPRAY PUMP

Operates on the compressed air principle and throws a continuous spray. Interchangeable brass nozzle—one to throw the spray straight ahead, and one to spray up or down. Capacity, one quart.

Each	Each
Tin .....\$1 00	Brass .....\$2 00

KNAPSACK SPRAY PUMP

For Vineyard, Orchard and Field Service

To be Carried on Back.

Made entirely of brass and copper, with ball valves and metal plunger all easily accessible. Capacity about 5 gals. Complete \$22.00.

"AUTO-SPRAY" SPRAY PUMP

A self-operating Sprayer of simple construction, durable, easy to carry and to work. Made of galvanized iron or solid brass, with 4-ply rubber hose. For spraying trees, cleaning windows, etc. A perfect pump.

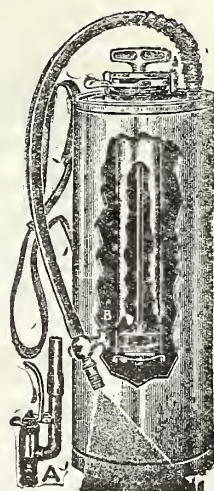
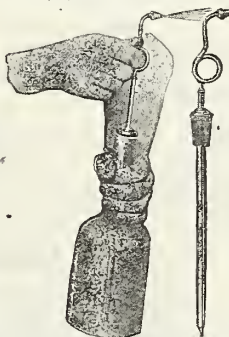
With brass tank and stop-cock nozzle, hose and fittings, \$9.00.

With galvanized iron tank and stop-cock nozzle, hose and fittings, \$6.00.

Either kind of tank fitted with Auto-Pop nozzle, instead of stop-cock nozzle, 50 cts. extra.

Brass extension pipes, 2 feet long, 60 cts.

Auto-Pop nozzle, if sold alone, \$1.50.



BOTTLE SPRAYER

A small, nickel-plated syringe or sprayer, to be placed in a bottle; used for spraying with any kind of fumigating liquid or insecticide\$1 25

Water Barrel, Truck and Barrel

Can Be Made Into Sprinkler, Leaf-Rack and Hand-Cart

The barrel is easily disconnected from the truck, either while full or empty. The following extra attachments can be furnished if required: (1) Box with trunnions and spring catch, forming a dumping hand-cart. (2) Sprinkler for watering walks and lawns. (3) Leaf-rack.



Used as a Hand-Cart

Used as a Leaf-Rack

Truck and barrel, wooden wheels, 3-in. tires	} Prices on Application
Truck and barrel, steel wheels, 3-in. tires	
Sprinkler attachment, extra	
Hand-cart box, extra	
Leaf-rack, extra	
Extra trunnions, per pair	
Truck and trunnions, wooden wheels, without barrel	
Truck and trunnions, steel wheels, without barrel	

The "Velvetlawn" Grass Seeder

18 inches wide

The use of a machine in the seeding of new lawns or grass plots, the re-seeding of old lawns, the drilling of grass seeds into putting-greens, and the renewing of grass plots every month or so has proved a decided success wherever it has been tried. The machine to do this work is the "Velvetlawn" Grass Seeder.

Price \$20 net cash.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued

ALL NET CASH

POSTAGE, EXPRESS OR FREIGHT CHARGES TO BE PAID BY PURCHASER
 PRICES NOT GUARANTEED, SUBJECT TO CHANGE

The Thorburn Century Ball-Bearing Lawn Mower

Thorburn's Century Ball-Bearing Lawn Mower is a marvel of simplicity, as one screw adjusts both bearings. It has a simple, self-adjusting device, which keeps the bearing properly adjusted for a long time, and a double interchangeable ratchet. By shifting handle bails from the front to the rear lugs on the side frame, the Mower can be made to cut terraces and steep banks.

While cheaper mowers are sold all over, they will be found far dearer in the end. It pays to get a good mower.

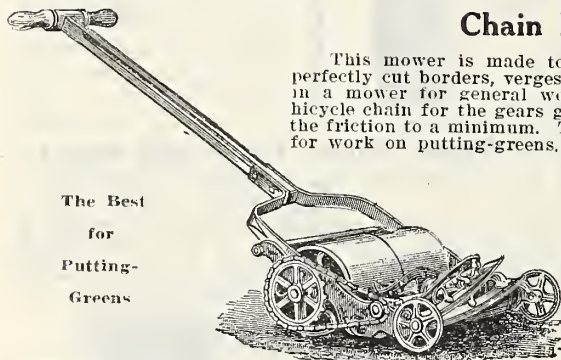
Net Prices

	Each
14-in. cut	\$11 50
16-in. cut	12 50
18-in. cut	13 50
20-in. cut	14 50

Lawn Trimmer

8-inch	\$6 50
--------------	--------

ALL PRICES SUBJECT TO CHANGE
 WITHOUT NOTICE



The Best
for
Putting-
Greens

Chain Roller or Golf Mower

This mower is made to meet the demand for a machine that will more perfectly cut borders, verges, etc., and yet retain all the other features necessary in a mower for general work. Its great advantage is the substitution of a bicycle chain for the gears generally used in this style of mower. This reduces the friction to a minimum. The machine with six blades is highly recommended for work on putting-greens.

Net Prices

	4 blades	6 blades
12-in. cut	\$15 00	\$16 00
14-in. cut	16 00	17 00
16-in. cut	17 00	18 00
18-in. cut	19 00	20 00

Grass-Catcher

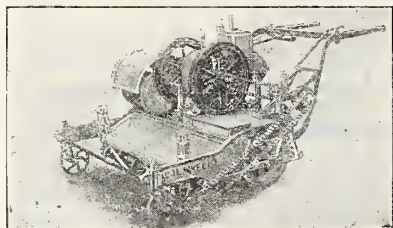
14-in.	\$2 00
16-in.	2 15
18-in.	2 25
20-in.	2 50

Improved Horse Lawn Mower

This well-known standard mower has side draft attachment, to enable the horse to walk on the cut grass only, and caster-rollers which will not mark the lawn. Evenness of cut is assured by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement; the same lever serves the purpose of raising the knives from the ground when driving over gravel walks or roads.

NET PRICES, free on board, New York

	Each		Each
25-in. cut, no shafts, 4 blades.....	\$56 00	35-in. cut, complete, 4 blades.....	\$108 00
30-in. cut, complete, ".....	88 00	40-in. cut, complete, ".....	136 00



Coldwell's Combination Roller and Motor Lawn Mower

This machine cuts a swath 40 inches wide, is equipped with a two-horse-power motor capable of propelling the mower through almost any height of lawn grass, and up grades as steep as 25 per cent. Price on application.

HORTICULTURAL IMPLEMENTS AND GARDEN REQUISITES, continued
ALL NET CASH
POSTAGE, EXPRESS OR FREIGHT CHARGES TO BE PAID BY PURCHASER
PRICES NOT GUARANTEED, SUBJECT TO CHANGE

Horse Boots

Prevent Cutting up the Turf

Made of very strong, heavy leather, closely riveted. Price per set of four, \$12.00.

Water-Ballast Roller

Roller-Bearing. Can Be Filled without Turning on End, with Either Water or Sand
(Patented)

Suitable for Lawns, Tennis-Courts and Putting-Greens, Seams are Electricwelded, not Riveted.
One- or two-section "Water Weight" Rollers without counter-balancing handle-weights.

No.	Diam. in.	Length in.	Sec- tions	Weight empty lbs.	Weight filled with water, lbs.	Weight filled with sand, 50% heavier	Price
WB3	14	20	1	60	175	"	\$13 00
WB5	18	24	1	85	300	"	15 00
WB7	24	24	1	110	500	"	20 00
WB11	18	24	2	100	300	"	21 00
WB13	24	32	2	150	600	"	28 00

If handle-weight is desired add \$1.50 to above prices.

Clark's A5 Double-Action Cutaway Harrow

This Harrow will cut and reduce the toughest sod to plant-food without the aid of a plow. It will cut from 28 to 30 acres or will double-cut 15 acres in a day. It can be set so as to move the earth but little, or at so great an angle as to move all the earth one foot. It keeps the surface true and the machine runs true in line of draft. Price on application.

Cutaway Grading or Smoothing and Leveling Harrow

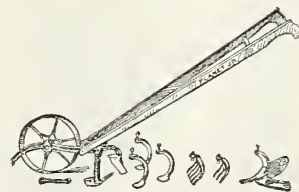
With this tool any field can be made smooth and the soil pulverized fine enough for a flower-bed. Will smooth an acre in twenty minutes. It is adjustable with a lever, by which the entire action is controlled by the driver, and he can remove at will all the earth possible for the team to haul, taking it from hills or uneven places and putting it into hollows, to level up field. No. 6, for one horse (6 feet wide), No. 8, for two horses (8 feet wide). Prices on application.

"Planet Jr." Farm and Garden Tools

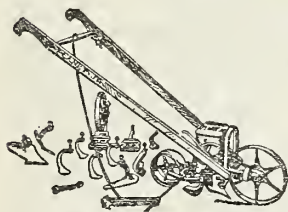
Illustrated catalogue describing fully many other "Planet Jr." tools mailed on application.
Prices are quoted net F. O. B. New York.

"Planet Jr." No. 16 Single-Wheel Hoe, Cultivator, Rake and Plow

This Single-Wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has 11-inch wheel, with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame.



"Planet Jr." No. 16



"Planet Jr." No. 4

EQUIPMENT

2 6-inch Hoes
3 Cultivator Teeth

1 7-inch Rake
1 4-inch Rake

Weight, 27 lbs. Price, \$9.00

1 Large Garden Plow
1 Leaf Guard

"Planet Jr." No. 17 Single-Wheel Hoe

2 6-inch Hoes

3 Steel Cultivator Teeth
Weight, 22 lbs. Price, \$7.50

1 Leaf Lifter

"Planet Jr." No. 3.	Hill and Drill Seeder. Efficient hill dropping outfit. Complete	\$16 00
"Planet Jr." No. 4.	Seeder, Wheel Hoe, Cultivator and Plow. Complete	17 00
As a seeder only		13 50
"Planet Jr." No. 11.	Double-Wheel Hoe, Cultivator and Plow. Invaluable for use on all small crops.	14 00
"Planet Jr." No. 12.	Double-Wheel Hoe, Cultivator and Plow. Identical with No. 11, except fewer attachments	11 00
"Planet Jr." No. 13.	Double-Wheel Hoe. Same as No. 12, but Hoe only.	7 75
"Planet Jr." No. 18.	Single-Wheel Hoe. Equipped with Hoes only	5 50
"Planet Jr." No. 25.	Combined Hill and Drill Seeder, Double-Wheel Hoe, Cultivator and Plow. Large enough for field use	20 00
"Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer. Complete		17 50
With Lever Wheel only		14 50
Without Wheel or Pulverizer		11 25
"Planet Jr." No. 31.	Combined Drill Seeder and Single Wheel Hoe. Complete	11 50
No. 31D as a drill seeder only		9 25
"Planet Jr." No. 33.	Single Wheel Hoe (without seeder)	5 50

Stevens Hand Fertilizer Sower 10 00

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Thorburn's List of Vegetable Seeds

That May Be Sown in Each Month from February to September in the Climate of New York

FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
SOW IN HOTBED Early Beans Broccoli Early Cabbage Forcing Carrot Early Celery Cucumber Eggplant Early Lettuce Parsley Pepper Radish Tomato	SOW IN HOTBED Early Beans Early Beets Brussels Sprouts Early Cabbage Forcing Carrot Cauliflower Celery Eggplant Kohlrabi Lettuce Parsley Pepper Radish Tomato	SOW IN HOTBED Cucumber Eggplant Melon Pepper Tomato IN OPEN GROUND Asparagus English Beans Beets Brussels Sprouts Early Cabbage Carrot Cauliflower Celery Sweet Corn Cress Cucumber Kohlrabi Lettuce Melon Onion Parsley Parsnip Peas Potatoes Radish Spinach Early Turnip	IN OPEN GROUND Artichoke Asparagus Beans, Bush and Running Beets Brussels Sprouts Carrot Cauliflower Celery Sweet Corn Cress Cucumber Kohlrabi Lettuce Melon Onion Parsley Parsnip Peas Potatoes Radish Salsify Spinach Early Turnip All Herbs	IN OPEN GROUND Beans, Lima and all other sorts Beets Broccoli Brussels Sprouts Late Cabbage Carrot Cauliflower Sweet Corn Cress Cucumber Endive Kale Lettuce Melon Nasturtium Okra Kohlrabi Lettuce Pumpkin Radish Spinach Squash White Fr. Turnip Rutabaga THORNBURN'S Morolon Beauty Potato	IN OPEN GROUND Beans Beets Carrot Sweet Corn Corn Salad Cress Cucumber Endive Gherkin Kale Kohlrabi Lettuce Nasturtium Okra Early Peas Pumpkin Radish Spinach Squash White Fr. Turnip Rutabaga THORNBURN'S Extra Early Snowball THORNBURN'S Improved Big Boston LETTUCE	IN OPEN GROUND Beans, Bush Tuberous Chervil Corn Salad Cucumber Endive Lettuce Welsh Onion Early Peas Radish Spinach Turnip THORNBURN'S Cabbage for cold-frames Cauliflower for coldframes Tuberous Chervil Corn Salad Cress Siberian Kale Lettuce Mustard Winter Radish Spinach Turnip Sweet Peas	IN OPEN GROUND Cabbage for cold-frames Cauliflower for coldframes Tuberous Chervil Corn Salad Cress Siberian Kale Lettuce Mustard Winter Radish Spinach Turnip Sweet Peas

J. M. THORBURN & CO., SEEDSMEN, NEW YORK

53 BARCLAY STREET THROUGH TO 54 PARK PLACE

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